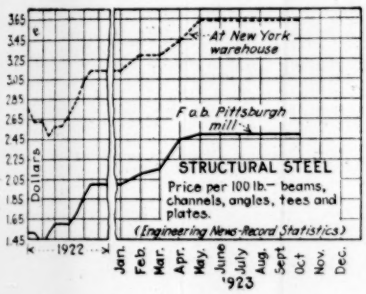
CONSTRUCTION NEWS

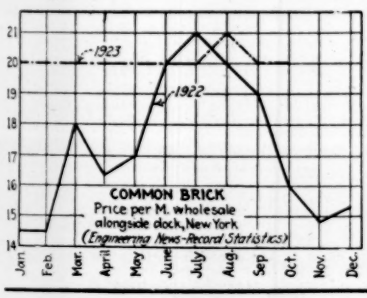
Engineering News-Record, October 4, 1923

The Construction Barometer

Prices Firm—Domestic Buying Slow—Great Demand for Materials in Japan

THE fourth quarter opens with an apparent stability of materials prices and labor, due more to contraction in domestic demand, perhaps, than to actual stabilization. Japanese reconstruction requirements have already exerted a firming effect upon certain basic materials, particularly fir lumber. Replenished domestic stocks and lack of pressure for mill deliveries serve to offset this tendency toward higher prices, caused by the demand for materials in Japan. Unprecedented car loadings indicate the rate of consumption on orders already placed. According to R. G. Dun & Co. there were fewer business failures in the U. S. during September than for any month since January, 1921.


At New York warehouse
F.o.b. Pittsburgh mill
STRUCTURAL STEEL
Price per 100 lb.— beams, channels, angles, tees and plates.
(Engineering News-Record Statistics)
Dollars
1922
1923
Jan. Feb. Mar. Apr. May June July Aug. Sept Oct. Nov. Dec.


1923
1922
COMMON BRICK
Price per M. wholesale alongside dock, New York
(Engineering News-Record Statistics)
Jan. Feb. Mar. April May June July Aug. Sep Oct. Nov. Dec.

Engineering News-Record Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Sept. 13	$27,304,000	$21,935,000	$49,239,000
Sept. 20	13,016,000	19,333,000	32,349,000
Sept. 27	16,057,000	24,127,000	40,184,000
3 Weeks	$56,377,000	$65,395,000	$121,772,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

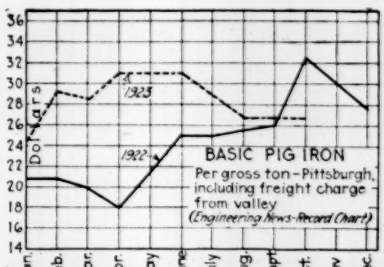
Week Ended	Public No.	Public Work	Private No.	Private Work
Sept. 13	9	$2,955,000	30	$13,607,000
Sept. 20	7	1,181,000	35	16,913,000
Sept. 27	13	1,355,000	36	12,761,000
3 Weeks	29	$5,491,000	101	$43,281,000

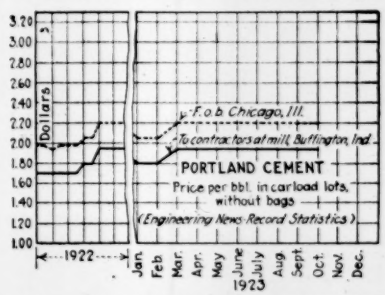
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

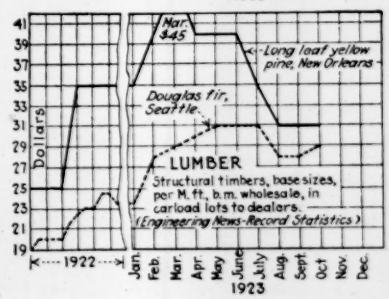
Week Ended	Private	Public All	Public Streets and Roads	Public Waterworks and Sewers	All Buildings
Sept. 13	36	178	67	39	36
Sept. 20	35	179	51	35	37
Sept. 27	32	165	44	31	32

LABOR AND MATERIALS FIRM AT PRESENT LEVELS

	Quoted on Oct. 4, at	Price Was	On
Structurals, Pittsburgh, 100 lb.	$2.50	$2.50	
Cement, Chi., net bbl.	2.20	@2.60	June 21
Pine, N. Y., M. ft.	61.00	2.05	Feb. 1
Fir, San Fran., M. ft.	41.00	63.00	Sept. 6
Common labor, hr.	0.54	42.00	Sept. 27
		0.53	June 28


1923
1922
BASIC PIG IRON
Per gross ton—Pittsburgh, including freight charge from valley
(Engineering News-Record Chart)
Dollars
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.


F.o.b. Chicago, Ill.
To contractors at mill, Buffington, Ind.
PORTLAND CEMENT
Price per bbl. in carload lots, without bags
(Engineering News-Record Statistics)
Dollars
1922
1923
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.


Mar. $45
Long leaf yellow pine, New Orleans
Douglas fir, Seattle
LUMBER
Structural timbers, base sizes, per M. ft., b.m. wholesale, in carload lots to dealers.
(Engineering News-Record Statistics)
Dollars
1922
1923
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Oct. 8	Milbank, S. D.	Sept. 20
Oct. 9	Toronto, Ont.	Sept. 13
Oct. 9	Kings Mountain, N. C.	Sept. 20
Oct. 9	New York, N. Y.	Oct. 4
Oct. 9	Brooklyn, N. Y.	Oct. 4
Oct. 10	Lewiston, Idaho	Sept. 20
Oct. 10	Elyria, O.	Sept. 27
Oct. 11	Danville, Va.	Sept. 13
	Adv. Sept. 13 to Oct. 4.	
Oct. 16	Matawan, N. J.	Oct. 4
	Adv. Oct. 4.	
Oct. 18	Winona, Minn.	Oct. 4
	Adv. Oct. 4.	
Oct. 18	South Bend, Ind.	Oct. 4
Oct. 23	Buffalo, N. Y.	Sept. 20
Oct. 24	Cleveland, O.	Oct. 4
	Adv. Oct. 4.	
Oct. 26	Tulsa, Okla.	Sept. 27
	Adv. Sept. 27 and Oct. 4.	

SEWERS

Bids Close		See Eng. News-Record
Oct. 8	Brighton, N. Y.	Sept. 27
	Adv. Sept. 27 and Oct. 4.	
Oct. 9	Bluefield, W. Va.	Sept. 13
Oct. 9	Roxboro, N. C.	Sept. 20
Oct. 10	Fond du Lac, Wis.	Oct. 4
Oct. 22	Berea, O.	Oct. 4
	Adv. Oct. 4.	
Oct. 30	St. Louis, Mo.	Oct. 4
Nov. 1	Fort Erie, Ont.	Aug. 23

BRIDGES

Bids Close		See Eng. News-Record
Oct. 8	Portland, Ore.	Sept. 27
Oct. 8	Okemos, Mich.	Sept. 27
Oct. 9	Alabama	Sept. 20
Oct. 9	Indianola, Ia.	Sept. 27
Oct. 10	Wheeler, S. D.	Sept. 20
Oct. 10	North Carolina	Sept. 27
Oct. 11	Louisiana	Sept. 20
Oct. 11	Germfask, Mich.	Sept. 27
Oct. 11	Wilkes Barre, Pa.	Sept. 27
Oct. 12	Wilkes Barre, Pa.	Sept. 27
Oct. 13	West Virginia	Oct. 4
Oct. 13	Libertyville, Ill.	Oct. 4
	Adv. Oct. 4.	
Oct. 15	New Jersey	Oct. 4
	Adv. Oct. 4.	
Oct. 16	Clearwater, Fla.	Sept. 13
Oct. 16	Fishkill, N. Y.	Sept. 27
	Adv. Sept. 27 and Oct. 4.	
Oct. 16	Williamson, W. Va.	Sept. 27
	Adv. Sept. 27 and Oct. 4.	
Oct. 16	Ohio	Oct. 4
Oct. 19	Tennessee	Oct. 4
Oct. 22	Portland, Ore.	Sept. 27
	Adv. Sept. 27 and Oct. 4.	
Oct. 23	Mobridge, S. D.	Sept. 27
	Adv. Sept. 27 and Oct. 4.	

Bids Close		See Eng. News-Record
Oct. 23	Alabama	Oct. 4
Oct. 26	Centerville, Tex.	Sept. 27
Oct. 26	Phillipsburg, Kan.	Oct. 4
Nov. 30	Sydney, Australia	Apr. 19
Oct. 30	Alabama	Oct. 4

RAILWAYS

Mar. 18	New Zealand Adv. Sept. 20 and 27.	Sept. 20

EXCAVATION, DRAINAGE IRRIGATION

Oct. 8	Mason City, Ia.	Sept. 27
Oct. 8	New York, N. Y.	Oct. 4
Oct. 9	Clarksdale, Miss.	Sept. 27
Oct. 10	Elkhorn, Wis.	Sept. 20
Oct. 12	Mason City, Ia.	Sept. 27
Oct. 15	Toronto, Ont.	Sept. 27
Oct. 15	Byron, Calif.	Oct. 4
Oct. 19	Granite Falls, Minn.	Oct. 4

STREETS AND ROADS

Oct. 5	New York Adv. Sept. 27 and Oct. 4.	Sept. 27
Oct. 8	Huntington, W. Va.	Oct. 4
Oct. 8	Michigan	Sept. 27
Oct. 8	San Diego, Calif.	Sept. 27
Oct. 8	South Pasadena (Pasadena P. O.), Calif.	Sept. 27
Oct. 8	East Orange, N. J.	Oct. 4
Oct. 9	Alabama	Sept. 20
Oct. 9	Barstow, Tex.	Sept. 20
Oct. 9	New York, N. Y.	Oct. 4
Oct. 9	Red Wing, Minn.	Oct. 4
Oct. 9	Parkersburg, W. Va.	Oct. 4
Oct. 9	Inverness, Fla.	Oct. 4
Oct. 9	Maryland Adv. Oct. 4.	Oct. 4
Oct. 9	St. Paul, Minn.	Oct. 4
Oct. 9	St. George, N. Y.	Oct. 9
Oct. 10	Belvidere, N. J. Adv. Sept. 20 to Oct. 4.	Sept. 20
Oct. 10	North Carolina Adv. Sept. 27 and Oct. 4.	Sept. 27
Oct. 10	Michigan	Oct. 4
Oct. 10	Reading, Pa.	Oct. 4
Oct. 10	Barberton, O.	Oct. 4
Oct. 10	Palestine, Tex.	Oct. 4
Oct. 10	Baltimore, Md.	Oct. 4
Oct. 10	Brooklyn, N. Y.	Oct. 4
Oct. 11	Louisiana	Sept. 20
Oct. 11	Little Rock, Ark.	Sept. 27
Oct. 11	Virginia	Sept. 27
Oct. 11	Brooklyn, N. Y.	Oct. 4
Oct. 11	New York, N. Y.	Oct. 4
Oct. 12	Michigan	Sept. 27
Oct. 12	Plainsboro, N. J.	Oct. 4
Oct. 13	West Union, W. Va.	Oct. 4
Oct. 15	Weston, W. Va.	Sept. 20
Oct. 15	Michigan	Sept. 27
Oct. 15	Lexington, Miss.	Sept. 27
Oct. 15	Tavares, Fla.	Oct. 4
Oct. 15	Center, Tex.	Oct. 4
Oct. 16	Clearwater, Fla.	Sept. 13
Oct. 16	Waterloo, Ia.	Oct. 4
Oct. 16	Fayetteville, W. Va.	Oct. 4
Oct. 16	Ohio	Oct. 4
Oct. 17	Meadville, Miss.	Sept. 27
Oct. 17	Rhode Island Adv. Oct. 4.	Oct. 4
Oct. 17	Michigan	Oct. 4
Oct. 17	San Francisco, Calif.	Oct. 4
Oct. 18	Houston, Tex.	Sept. 27
Oct. 18	Hemphill, Tex.	Sept. 27
Oct. 19	Marion, Kan.	Sept. 27
Oct. 19	Paris, Tex.	Sept. 27
Oct. 19	Tennessee	Oct. 4
Oct. 20	Quebec	Oct. 4
Oct. 22	New Jersey Adv. Oct. 4.	Oct. 4
Oct. 22	Norton, Kan.	Sept. 27
Oct. 23	Kentucky	Sept. 27
Oct. 23	New Albany, Miss.	Oct. 4
Oct. 24	Alpha, N. J. Adv. Oct. 4.	Oct. 4
Nov. 6	Washington	Oct. 4

INDUSTRIAL WORK

Oct. 8	Astoria, N. Y.	Oct. 4
Oct. 9	Louisville, Ky.	Sept. 20
Oct. 10	Wilmington, N. C.	Sept. 27
Oct. 10	Quebec, Que.	Sept. 27
Oct. 10	River Rouge, Mich.	Oct. 4
Oct. 13	Bemidji, Minn.	Oct. 4
Oct. 24	Andrews, N. C. Adv. Oct. 4.	Oct. 4

BUILDINGS

Oct 8	Wichita, Kan.	Sept. 6
Oct. 8	Fayetteville, N. C.	Sept. 20
Oct. 8	Syracuse, N. Y.	Sept. 20
Oct. 8	Indianapolis, Ind.	Oct. 4
Oct. 8	Phila., Pa.	Oct. 4
Oct. 9	Louisville, Ky.	Sept. 13
Oct. 9	Trenton, N. J.	Sept. 20
Oct. 9	Bowling Green, O.	Sept. 27
Oct. 10	Birmingham, Ala.	Aug. 30
Oct. 10	Virginia, Minn.	Sept. 13
Oct. 10	West Haverstraw, N. Y.	Oct. 4

Bids Close		See Eng. News-Record
Oct. 11	New York, N. Y.	Oct. 4
Oct. 12	Ft. Worth, Tex.	Oct. 4
Oct. 13	Lakewood (Cleveland P. O.), O.	Oct. 4
Oct. 15	Cleveland, O.	Sept. 20
Oct. 15	Waseca, Minn.	Sept. 20
Oct. 15	Bakersfield, Calif.	Sept. 27
Oct. 15	Nevada, Mo.	Oct. 4
Oct. 15	Indianapolis, Ind.	Oct. 4
Oct. 16	Bridgeport, Conn.	Sept. 27
Oct. 16	Brooklyn, N. Y.	Oct. 4
Oct. 16	Montclair, N. J.	Oct. 4
Oct. 16	Leonia, N. J.	Oct. 4
Oct. 17	Clifton, N. J.	Oct. 4
Oct. 18	Springwells, Mich.	Oct. 4
Oct. 20	Louisville, Ky.	Sept. 13
Oct. 22	Johnstown, Pa.	Oct. 4
Oct. 23	Ann Arbor, Mich.	Oct. 4
Oct. 23	St. Francis, Kan.	Oct. 4
Oct. 23	Madison, N. J.	Oct. 4
Oct. 24	Marion, Ia.	Sept. 27
Nov. 1	Ft. Worth, Tex.	July 12
Nov. 1	Dallas, Tex.	Aug. 2
Nov. 30	Maggie, W. Va.	Oct. 4

FEDERAL GOVERNMENT WORK

Oct. 8	Extension, etc.—Waterloo, Ia.	Sept. 20
Oct. 10	Garage, etc.—Bar Harbor, Me.	Sept. 20
Oct. 10	Barracks, etc.—Bellevue, D. C.	Oct. 4
Oct. 13	Cradles—Cairo, Ill.	Oct. 4
Oct. 15	Breakwater—Hilo, H. T.	Aug. 23
Oct. 15	Dredging—Los Angeles, Calif.	Sept. 27
Oct. 15	Resurfacing—Castle Point (Chelsea P. O.), N. Y. Adv. Oct. 4.	Oct. 4
Oct. 16	Buildings, etc.—North Little Rock, Ark.	Sept. 20
Oct. 16	Mechanical Equipment—Carville, La.	Sept. 20
Oct. 16	Buildings—Carville, La.	Sept. 20
Oct. 16	Jetty—Staten Island, N. Y.	Oct. 4
Oct. 16	Road—Arkansas	Oct. 4
Oct. 17	Dredging — Bridgeport, Conn. Adv. Sept. 20 to Oct. 4.	Sept. 20
Oct. 17	Post Office—Dawson, Ga.	Sept. 20
Oct. 17	Radio Masts—Puget Sound, Wash.	Sept. 20
Oct. 17	—Discharge Pontoons—Rock Island, Ill. Adv. Sept. 27 and Oct. 4.	Sept. 27
Oct. 17	Dredging—Providence, R. I.	Oct. 4
Oct. 17	Water Supply Improvements—Annapolis, Md.	Oct. 4
Oct. 17	Distribution System, etc.—Pensacola, Fla.	Oct. 4
Oct. 18	Dwellings — Newburg, Ind.	Sept. 20
Oct. 18	Road—Florida	Sept. 27
Oct. 18	Extension—St. Louis, Mo.	Oct. 4
Oct. 20	Pontoons, etc.—Cincinnati, O. Adv. Sept. 20 to Oct. 4.	Sept. 20
Oct. 20	Radio Tower — Ft. Clark, Tex.	Oct. 4
Oct. 22	Derricks—Louisville, Ky. Adv. Oct. 4	Oct. 4
Oct. 26	Dredging, etc.—Port Chester, N. Y. Adv. Sept. 27 and Oct. 4.	Sept. 27
Oct. 26	Post Office—Clinton, S. C.	Oct. 4
Oct. 29	Dredging—New Rochelle, N. Y. Adv. Oct. 4.	Oct. 4
Oct. 31	Repairing Jetty—Freeport, Tex.	Oct. 4
Nov. 1	Pipe Line Dredge—Chicago, Ill.	Sept. 6
Nov. 1	Catamarans, etc.—Chicago, Ill.	Sept. 20
Nov. 7	Extension—Pearl Harbor, H. T.	Sept. 20
Nov. 14	Storehouse—Pearl Harbor, H. T.	Sept. 27
Nov. 30	Dam—Quebradillas, P. R. Adv. Sept. 27 and Oct. 4.	Sept. 27

MISCELLANEOUS

Oct. 9	Ornamental Lighting System —Bexley (Columbus P. O.), O.	Sept. 27
Oct. 9	Sand, Cement, etc.—New York, N. Y.	Oct. 4
Oct. 11	Greenhouses, etc.—New York, N. Y.	Oct. 4
Oct. 15	Gravel—Kountze, Tex.	Sept. 27
Oct. 16	Lighting System—Chino, Calif.	Oct. 4
Oct. 17	Levee—Ennis, Tex.	Oct. 4
Oct. 17	Tunnel—Phila., Pa.	Oct. 4
Oct. 23	—Protection Work—Shreveport, La. Adv. Oct. 4.	Oct. 4
Oct. 23	Portland Cement—Portland, Ore.	Oct. 4
Feb. 28	Headworks — Wellington, New Zealand	May 24

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Pa., New Brighton—Nov. 6 to vote on $200,000 bonds for filtration plant, 22nd and 1st Sts. H. H. Wohlwend, Boro. Bldg., engr.

Pa., Rochester—Boro. plans filtration plant. $150,000. J. P. Leaf, 230 West Park St., boro. engr.

W. Va., Fairmont—Nov. 6 to vote on $150,000 bond issue for filtration plant. S. S. Miller, Fairmont, engr.

W. Va., Keyser—Plans filtration plant. $175,000. E. V. Roring, mayor.

W. Va., Parkersburg—See "Streets and Roads."

Ky., Owensboro—Election in November to vote on $100,000 bond issue for extension to waterworks system. J. H. Hickman, mayor. Noted June 21.

Ky., Princeton—Plans waterworks system, filtration plant, etc. $60,000.

La., Coushatta—Plans waterworks. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

O., Cleveland—Having plans prepared laying mains in following streets: 7,588 lin. ft. 6 in. pipe in 24th, Milford, Melrose and Loretta Aves., Tibet and Tulane Rds. $17,481; 5,424 ft. 8 in. in Crestview Rd., Ardmore, 23rd. and Republic Aves., $15,-200. R. H. Simpson, city engr.

Wis., Hurley — Making plans waterworks, $37,000. J. H. A. Brahtz, 409 Metropolitan Opera House Bldg., St. Paul, Minn., engr.

Wyo., Evansville—Election soon to vote on $45,000 bonds for new waterworks system. Black & Veatch, 701 Mutual Bldg., Kansas City, Mo., engrs. Noted Sept. 6.

Mo., Breckenridge—Oct. 9, to vote on $45,000 bonds for complete new waterworks system. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, engrs. Noted Sept. 13.

Mo., Festus—Making preliminary plans waterworks, reservoir, tower and distributing system. To exceed $40,000. J. P. Davis, Jefferson City, engr.

Mo., Holden—Voted $68,000 bonds for doubling capacity of reservoir, replacing existing stand pipe with 100,000 gal. steel tank on 120 ft. tower, several miles of 6 and 8 in. mains, etc. Benham Eng. Co., Gamble Bldg., Kansas City, engrs. Noted Sept. 20.

Mo., Independence—Independence Waterworks Co. having preliminary plans prepared increasing capacity of reservoir, also new pipe line to Lee's Summit, and other extensions. $175,000. Private plans.

Mo., Marceline—Voted $20,000 for waterworks improvements. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, engrs. Noted Sept. 6.

Tex., Celina—Oct. 20 to vote on $65,000 bonds complete waterworks. Engineer not announced.

Tex., Dallas—City Com. soon takes bids 175 tons 12 in. and 50 tons 4 in. Class B, c.i. pipe, 12 ft. lengths, etc. E. A. Kingsley, city engr.

Okla., Holdenville — City voted $67,250 bonds for new settling basins, filters, filter equipment, pumping machinery, etc. C. E. Edge, Holdenville, engr.

Calif., Alameda—Making plans salt water system for fire protection. To exceed $25,000. C. E. Hickok, city mgr.

Calif., Livingston—Making plans water system. $25,000. A. L. Cowell, Merced, engr. Noted Aug. 30.

Calif., Monrovia—Oct. 23 to vote on $180,000 bonds for water system. L. P. Black, clk. Noted July 19.

Calif., Oroville—G. Wilkinson, Oroville, has been granted state permit for concrete dam, 35 ft. high, 275 ft. long on top, 50 ft. on bottom, 800 ft. tunnel, 20 x 20 ft., concrete lined, 6,000 ft. conduit, 500 ft. wide and 15 ft. deep, power house to develop 47,659 h.p., etc. $300,000.

Calif., Newport Beach—Plans water distributing system in Peninsula Dist. To exceed $25,000. P. E. Kressly, H. W. Hellman Bldg., Los Angeles, engr.

Calif., Oakland—Plans extension of high pressure water system in down town section, to exceed $25,000. W. W. Harmon, city engr.

Waterworks (Continued)

Calif., Upland—Voted $224,000 bonds to purchase and improve present water system. E. C. Mehl, clk. Noted June 21.

BIDS DESIRED

N. Y., Brooklyn—Oct. 9, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Grace Court, Aves. M & Z, Old New Utrecht Ave., Clinton, Crown, Forrest, Lorraine, 76th, East 7th and West 2nd Sts., here.

N. Y., New York—Oct. 9, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Gates Pl., Grand Concourse, Andrews, Barnes, Boynton, Chatterton, Creger, Elder, Gildersleeve, Holland, Library, Morris, Radcliffe, Research, Stadium, Underhill and Watt Aves., Penfield, East 191st, East 215th and West 176th Sts.

N. J., Matawan — Oct. 16, by Boro Council, 150,000 gal. steel water tank on steel tower. W. A. Goff, 922 Stokes Ave., Collingswood, engr.; adv. E. N.-R. Oct. 4.

O., Cleveland—Oct. 24, at office Commissioner Purchases & Supplies, City Hall, filter and administration buildings, and 7 gate house superstructures for Div. Water. A. V. Ruggles, comr. water; adv. E. N.-R. Oct. 4.

Ind., Jasonville—City Council taking bids electrically operated pumping machinery for new waterworks, to cost $100,000. A. Simms, engr.

Ind., South Bend—Oct. 18, by Bd. Pub. Wks., water works station, reservoir and pumping machinery. J. W. Toyne, designing engr. Burns & McDonnell, 402 Interstate Bldg., Kansas City, Mo., consult. engrs. Noted Aug. 30.

Minn., Winona—Oct. 18, by Bd. Municipal Wks., City Hall, reaming out lower portion of 4 existing artesian wells. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, engrs.; adv. E. N.-R. Oct. 6.

Colo., Denver—Taking bids 2,600 ft. 42 in., 13,200 ft. 36 in. and 13,000 ft. 30 in. pipe, 24-42 in. gate valves, also quantity of smaller sized pipe and valves in addition to above, c.i. or other materials, $600,000. Quotations now being received on 390,000 ft. lumber for Ashland Reservoir, 760,000 ft. lumber for Capitol Hill Station. No formal call for bids on lumber item. Commission also approved following projects: new 10 m.g. pump at Capitol Hill station together with new roofs, outlets and sewers, also new line from station to 10th Ave. and Cooke St., new distributing mains East and North in Capitol Hill Dist. to reinforce low pressure distribution and add to pressure in high pressure districts; at Ashland reservoirs both basins will be relined, new roof on east basin, will also install new 8 m.g. electrically driven pump. B. Lowther, Shirley Annex, engr.

BIDS RECEIVED

O., Cleveland—Cuyahoga Co. mains in Impvt. Dist. 34, from Manson Co., The Arcade, $97,760.

Minn., St. Paul — H. W. Austin, city purch. agt., Sept. 25, c.i. valve and service connection boxes for Bureau of Water, (1) 200 top sections for gate boxes (2) 300 bottom sections for gate boxes, 4 in.-12-in., 4 ft. 1 in. long (3) 50 bottom sections for gate boxes 16 in.-24 in., 1 ft. 1½ in. long (4) 100 paving covers for gate boxes, from Crane Co. of Minnesota, 5th St. and Bway., and Cochran Sargent Co., 5th and Sibley Sts., each bid (1) $3.52 each (2) $3.41 each (3) $1.37 each (4) $0.89 each. Noted Sept. 27.

Tex., Ft. Worth—Laying 8-12 in. mains in Rosen Heights, Diamond Hill and Niles City, from H. W. Greenway, 214 Hemphill St., $38,824. Pipe purchased.

CONTRACTS AWARDED

N. J., Bordentown—State Bd. Educ., Trenton, addition to water system, 1,800 ft. 6 in. c.i. pipe, etc., at Bordentown Manual Training & Industrial School, here, to Suburban Eng. Co., 15 West 38th St., New York City, $9,600. Noted Sept. 6.

O., New Concord—M. W. Taylor, clk. Bd. Trustees 11,360 ft. 4-8 in. c.i. mains in Main St., to J. Clow & Sons, 544 South Franklin St., Chicago, $14,123; valves, to Ludlow Valve Mfg. Co., foot of Adams St., Troy, N. Y., $1,312; lead to Scioto Valley Supply Co., Long and 3rd Sts., Columbus, $864.

Ind., Evansville — Pile foundation for 6 m.g. addition to water filtration plant, to A. Phelps & Sons, Knoxville, Ia., $37,000. Noted Sept. 20.

Wis., Waupun—Circular concrete reservoir, 200,000 gal., to Blake Paving & Constr. Co., 816 College Ave., Appleton. Engrs. est. $15,000. Noted Aug. 30.

Mo., Edina—City Clerk, impounding reservoir, filter plant and 7 mi. new mains, to E. K. Ladd Constr. Co., 114 West 10th St., Kansas City, $34,228.

Minn., St. Paul—See "Miscellaneous."

S. D., Lemmon — To Pittsburgh-Des Moines Steel Co., 9th and Tuttle Sts., Des Moines, Ia., 24 x 35 steel standpipe, $5,900; to J. I. Case, Lemmon, deep well, $900. Noted June 28.

Tex., Ft. Worth—Pumps and other equipment for Arlington Heights booster station, to West & Womack, Dan Waggoner Bldg., $10,990.

Calif., Eureka—City furnishing f.o.b. Eureka, 12,500 ft. 2 in. standard black pipe, random lengths, to Mark-Lally Co., 2nd and Tehama Sts., San Francisco, $0.1688 per ft. Noted Sept. 6.

Ont., Fonthill—Will build reservoir, pumphouse and mains by day labor, Standpipe awarded to Horton Steel Wks., Bridgeburg, $7,500, pumps to Canadian Fairbanks-Morse Co. Total est. $35,000.

Ont., Walkerton—Rebuilding and improving waterworks system, stand pipe to Hunter Bridge & Boiler Co., Kincardine; gasoline engine and motor driven pumps to Goldie McCulloch Co., Galt. Total est. $30,000. Noted Sept. 13.

Sewers

PROPOSED WORK

La., Baton Rouge—Voted $325,000 bonds for sewers. J. W. Billingsley, Interstate Bank Bldg., New Orleans, consult. engr. Noted Aug. 9.

La., Coushatta—Plans sanitary sewers, to exceed $25,000. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

O., Kenmore—Having plans prepared sewage disposal system. $40,000. D. Dowling, city engr. R. E. Garvin, Hanna Bldg., Cleveland, consult. engr. Noted June 28.

O., Zanesville—Plans laterals in newly proposed Southwestern Sewerage System. $300,000-$400,000. C. Spencer, City Hall, engr.

Mich., Detroit — Plans prepared 28,946 ft. of 10-24 in. vitr. crock sewers in Laterals 3884, 3885, 3886, 3887, 3889, 3890, 3891, 3893, 3967 and 4009. G. Jerome, city engr.

Mich., Lincoln Park (Wyandotte, P. O.)—Having plans prepared 50,000 ft. 10-24 in. vitr. crock lateral sewers. R. A. Murdock, 603 Free Press Bldg., Detroit, engr.

Wis., Milwaukee—City Sewerage Comn., 508 Market St., adopted 1924 budget. Work includes section of high level east sewer, $645,593; extension to Commerce St. sewer $113,323; Delaware Ave. sewer $135,424; Chicago Rd. sewer $162,278; intercepting regulators $19,751; revision of old Menomee sewer $15,000; completion of disposal plant $1,560,425. T. C. Hatton, c/o owner, engr.

Wis., Milwaukee—Metropolitan Sewerage Comn. of Milwaukee Co., 508 Market St., adopted 1924 budget. Work includes 3rd section of Main sewer to Cudahy $310,611; Oklahoma and Western Ave. sewer $318,-104; 3rd section of Wauwatosa and West Allis sewer $345,230; Shorewood-Whitefish Bay sewer $13,386; Lake St. sewer $51,-464; Menomonee Valley extension $418,543; Delaware Ave. extension $78,592; Natl. Ave. extension $212,803; Vliet St. and Spring Ave. sewer $113,174. T. C. Hatton, c/o owner, engr.

Kan., Burlington—Making preliminary plans new septic disposal tank for sewage, will also repair clear water well. $30,000. A. Jewell, Topeka, engr.

Kan., Hiawatha — Having preliminary plans prepared disposal plant. $25,000. Black & Veatch Interurban Bldg., Kansas City, Mo., engrs.

Mo., Breckenridge—Oct. 9, to vote on $35,000 bonds for sewerage system. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, engrs.

Mo., Marceline—Voted $55,000 bonds for sewers and disposal plant. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, engrs. Noted Sept. 6.

Tex., Park Place (Harrisburg P. O.)—Plans $25,000 bonds issue to supplement previous issue of $75,000 for disposal plant and sewers. W. N. Pierson, mayor.

Tex., Waco—Plans election to vote on $75,000 bonds 6, 8 and 10 in. sewer main extensions. V. G. Koch, city engr. Noted Sept. 6.

Okla., Lawton—Election Oct. 3 to vote on $40000 bonds for new sewage disposal plant and $15,000 bonds for new storm sewer, 2,500 ft. 36 in. segmental block, etc. E. M. Montain, city engr.

Okla., Tulsa—Election latter part of October to vote on $800,000 bonds for sanitary sewer extensions. C. Schultz, city engr.

Wash., Seattle—Bd. Pub. Wks. rejected bids opened Sept. 7, sanitary sewers in 32nd Ave. S. et al. $29,184. Will readvertise. J. D. Blackwell, city engr. Noted Sept. 27.

Calif., Carmel-By-The-Sea—Plans sewerage system for entire city. $100,000.

Calif., Newport Beach—Plans sewerage system in Peninsula Dist. To exceed $25,000. P. E. Kressly, H. W. Hellman Bldg., Los Angeles, engr.

Calif., San Jacinto—Making plans sewerage system. To exceed $25,000. Bonds will probably be voted to finance project.

Ont., Hamilton—Takes bids about Oct. 15 sewers in Weis and Alexander Sts.; Newlands, Hope, Fairfield and Albany Aves. $65,000. W. L. McFaul, City Hall, engr.

Ont., London — Preparing plans storm water system, extensions in southern section of city and pumping station $500,000. Work will be done by day labor under direction of W. P. Near, city engr. Prices wanted on all materials and equipment.

Ont., St. Catharines—Plans 8 in. tile sewers in Thomas and Edmund Sts. $26,-000. J. A. Pay, City Hall, engr.

BIDS DESIRED

N. Y., New York—See "Streets and Roads."

O., Berea—Oct. 22 (extended date), by village, vitr. sewer pipe. M. Knowles, Inc., Cleveland and Pittsburgh, engrs.; adv. E. N.-R. Oct. 4. Noted Sept. 13.

Wis., Fond du Lac—Oct. 10, by Bd. Pub. Wks., addition to sewage pumping plant, sewage ejector and additional machinery. G. H. Stanchfield, City Hall, engr.

Mo., St. Louis—Oct. 30, by Bd. Pub. Serv., 208 City Hall, 1,975 ft. 10-15 in. and 4,175 ft. 48 in. vitr. brick, laid in Portland cement or 2 ring segmental blocks, in Oakland Ave. $40,000. W. W. Horner, 300 City Hall, engr.

BIDS RECEIVED

O., Cleveland—City, Sept. 13, 1,020 ft. 6 ft. 6 in. to 8 ft. circular brick sewer, (Morgan Run Culvert) from Donnelly & Miller, 125 East 84th St., $74,662; 690 ft. of 4 ft. circular rein.-con. sewer, from O. J. Leach, Eddy Rd., $18,272. Noted Sept. 6.

O., Cuyahoga Heights (Cleveland, P. O.)—For 3,160 ft. 30-42 in. and 4,744 ft. 12-24 in. tile sewers in East 71st St. Sewer Dist., from Sprague & Burkhardt, 11811 Browning Ave., Cleveland, $57,492. Noted Sept. 6.

Colo., Denver—Constructing 10 mi. of 10-72 in. storm sewers in Washington Park Storm Sewer Dist. 3, from Western Paving Co., 309 International Trust Bldg., Denver, $231,066. Engrs. est. $285,370. Noted Sept. 13.

Calif., Centerville—Union Sanitary Dist., 12,519 lin. ft. 14 in., 1,393 lin.ft. 12 in., 17,972 lin. ft. 10 in., 30,186 lin. ft. 8 in. and 12,723 lin.ft. 6 in. vitr. sewer pipe, etc., from W. J. Tobin, 527 Santa Ray Ave., Oakland, approximately $68,500.

Calif., Long Beach—Bway. outfall sewer, from H. D. Churchill, 350 Merrick St., Los Angeles, approximately $66,500. Noted Sept. 6.

Calif., Los Angeles—See 'Streets and Roads."

Calif., San Francisco—City and San Francisco Co., sewers in 6th St. between Brannan and Townsend Sts., 633 lin.ft. 6 ft. circular rein.-con. sewer with portion of invert lined with vitr. brick and supported on piles, 19,200 lin. ft. piles, etc., from Healy-Tibbits Construction Co., 64 Pine St., $41,398.

CONTRACTS AWARDED

N. J., Plainfield—Common Council about 4,800 lin.ft. storm sewers, etc., to J. Miehle, 21 Hillcrest Terrace, East Orange, $23,303. Noted Sept. 6.

N. J., South River—For 18,000 ft. 8 and 12 in. vitr. sewers, etc., to J. Stefano & Co., South River, $40,860.

O., Cleveland—Cuyahoga Co., Impvt. 33, Sect. A., 9,850 ft. 8-10 in. and 9,850 ft. 12-48 in. vitr. clay pipe, to Gallagher & Burke, 1228 Bonnieview Ave., $144,291. Noted Sept. 27.

Mich., Lincoln Park (Wyandotte, P. O.)—Constructing 3,000 ft. 18-24 in. vitr. crock sewers in Sects. 1, 2 and 3 sewer arms, to Rennis & Dibble, 11331 Colonial Ave., Detroit, $25,000.

Kan., Coffeyville — See "Streets and Roads."

Mo., Versailles—Complete lateral sewers, to Woodward Constr. Co., Ponca City, Okla., $25,364.

Sewers (Continued)

Tex., Houston—Concrete and tile sewers in Woodland Heights, to C. K. Horton, Box 1025, $88,000.

Calif., Los Angeles—See "Streets and Roads."

Que., St. Therese — Constructing 2 x 3 brick and 12 in. tile sewers to O. Filion & Bros., 2985 St. Denis St., Montreal, $110,000. Noted Sept. 27.

Ont., Ford—Building sewers in district south of Grand Trunk Ry. tracks, one section to Merlo, Merlo & Ray, Ford, $111,000, other section to Chick Contg. Co., McDougall Ave., Windsor, $92,500.

Waste Disposal

PROPOSED WORK

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, rejected bids Aug. 28, 42 x 75 ft. brick and concrete incinerator, 36 ft. high, 150 ft. chimney. Noted Sept. 6.

Ore., Portland—Plans garbage incinerator. $30,000. O. Laurgaard, city engr.

Bridges

PROPOSED WORK

Ky., Bowling Green—Louisville & Nashville R.R. Co., 10th and Bway., Louisville, plans 426 ft. steel, double track bridge over Barren River, here. $200,000. W. H. Courtney, ch. engr.

O., Akron — Plans ¼ mi. bridge over Cuyahoga River from West Tallmadge Ave. at West Hill to North Hill residential section. $50,000. E. A. Kemmler, Delaware Bldg., engr.

Tex., Brady—McCulloch Co. making plans bridges and culverts on State Highway 10, from here to Brown Co. line. $25,000. E. A. Burrows, Brady, engr.

Tex., Ft. Bend—Richmond Co. soon takes bids 1,200 ft. steel bridge over Brazos River, 3 spans, rein.-con. pillars. $225,000. C. H. Kendall, co. engr.

Tex., Victoria—See "Streets and Roads."

Kan., Winfield—Making preliminary plans 3 span concrete and steel bridge on Madison Ave. $40,000-$50,000. W. S. Ruggles, Winfield, engr.

Ore., Rainier—State of Washington and Oregon plan bridge over Columbia River between here and Longview (Wash.) Two plans presented by H. Nunn, state engr. Oregon Hy. Dept., are under consideration. One calls for suspension bridge with two 400 ft. spans, channel 1,500 ft. long, $1,639,352; other for 5 spans aggregating 2,500 ft., $2,679,000. Clearance on both plans 150 ft. Noted Mar. 1.

Calif., Los Angeles—Pacific Electric Ry. Co., Pacific Electric Bldg., had plans prepared 460 ft. trestle railway bridge, 12 ft. wide, over Alamitos Bay. Company Eng. Dept. in charge.

Calif., Monrovia—See "Miscellaneous."

BIDS DESIRED

New Jersey—Oct. 15, by State Hy. Comn., Trenton, bridges and culvert in Lawrence Twp., also bridge, etc., in Princeton Twp., Mercer Co. J. L. Vogel, 772 Broad St., Newark, engr.; adv. E. N.-R. Oct. 4.

Md., Annapolis—Oct. 2, by Comrs. Anne Arundel Co., 20 ft. span of 18 in. concrete-encased I-beams, resting on 2 concrete wing abutments, rein.-con. floor slab, on County Rd. between Governor's Bridge and Riverview. $35,000.

Alabama—Oct. 23, by State Hy. Dept., Montgomery, 900 ft. of bridges on Montgomery-Selma Rd., Lowndes Co., Federal Aid Project 139, alternate bids on creosoted timber and concrete. W. S. Keller, state highway engr.

Alabama—Oct. 30, at office of State Hy. Dept., Montgomery, constructing substructure and approaches for bridge over Alabama River near Reeses Ferry, Birmingham-Montgomery Highway, substructure includes 4,101 cu.yd. concrete, and 78,900 lb. steel; alternate bids on approaches (1) 3,287 cu.yd. concrete, 496,687 lb. steel (2) 343,220 ft. treated timber and 11,360 ft. treated timber piling. W. S. Keller, state highway engr.

Tennessee—Oct. 19, by Tennessee Dept. Hys. & Pub. Wks., Nashville, .02 mi. concrete bridge over Roa ing River, State Aid Project 135, Jackson Co.; 75 ft. concrete bridge over Manchester Pike, State Aid Project 134, Rutherford Co. J. G. Creveling, Nashville, highway comr.

Ohio—See "Streets and Roads."

Ohio—Oct. 16, by Dept. Highways and Pub. Wks., Columbus, approaches to bridge on Sect. "A" Ripley-Hillsboro Rd., Brown Co. $3,329, bridge on same road $13,196; bridge on Sect. "P-2" Logan-New Lexington Rd., Hocking Co. $8,604; Sect. "B" Logan-Lancaster Rd. Hocking Co. $5,951; Sect. "B" Pomeroy-Jackson Rd., Meigs Co. $10,135; Sect. "P" Ohio River Rd., Monroe Co. $11,366, Sect. "C" Zanesville-McConnellsville Rd., Muskingum Co., $8,003, Sect. "E" New Philadelphia-Uhrichsville Rd., Tuscarawas Co. $26,181, Sects. " and G" New Philadelphia-Uhrichsville Rd., Tuscarawas Co. $25,961, Sect. "K" Wooster-Canal Dover Rd., Tuscarawas Co. $16,252; bridge and approaches on 0.127 mi. Hamilton-Eaton Rd., Butler Co., $27,336; concrete viaduct on 0.17 mi. Sects. "L and M" Mansfield-Galion Rd., Richland Co., $41,648, A. V. Donaheus, dir. highways.

Ill., Libertyville—Oct. 13 at office C. E. Russell, supt. highways, Lake Co. (Waukegan) improvement and relocation Rockland Rd., incl. rein.-con. bridge, east of here; adv. E.N.-R. Oct. 4. Noted Aug. 2.

Kan., Phillipsburg — Oct. 26, by Clerk Phillips Co., 140 ft. bridge, one 80 span, with two 30 ft. approach spans, 148.7 cu.yd. rein.-con., 141.6 cu.yd. concrete, 25,100 lb. reinforcing and 90,513 lb. structural steel, etc., 2½ ft. west of here, Federal Aid Project 166, Sect. B. C. E. Freeman, co. eng.

BIDS RECEIVED

New Jersey—State Hy. Comn., Trenton, Sept. 24, concrete encased I-beam bridge, concrete abutments of two 40 ft. 7⅞ in. spans for 30 ft. roadway, etc., also concrete encased I-beam bridge with concrete abutments of two 48 ft. spans for 30 ft. roadway, etc., over Pequannock River, on Route 8, Sect. 4-A, Passaic and Morris Counties, and concrete slab bridge of one 12 ft. span for 30 ft. roadway, over Creek to Pequannock River on above road, in townships of Rockaway and West Milford, Passaic Co., from T. Sheahan, South Potomac St., Hagerstown, Md., $104,728; structural steel work for two 73 ft. span bridge, over Crosswicks Creek, Burlington and Mercer Counties, from Phoenix Bridge Co., Phoenixville, Pa., $23,900. Noted Sept. 6.

Virginia—See "Streets and Roads."

Michigan—State Hy. Dept., Lansing, three 50 ft. concrete girder Bridges 020604, 020605 and 020606, Alger Co., from G. E. Warden Co., Eau Claire, Wis., $26,069. Noted Sept. 13.

O., Cleveland—Cuyahoga Co., Sept. 19, steel frame work for bridge over Hillside Rd., 363,000 lb. steel, from E. M. Scully, 1431 Eastwood Ave., Columbus, $29,200. Engrs. est. $31,750.

Minnesota — State Hy. Dept., St. Paul, Sept. 26, Bridge 3458, State Project 1-01, Federal Aid Project 282, at Beaver Bay, one 300 ft. steel arch span, from L. Grund, Lake City, $33,300. Noted Sept. 13.

Calif., Los Angeles—Harbor Comn., concrete viaduct and ramp for Harbor Blvd., from Clinton Constr. Co., Stock Exch. Bldg., $131,600.

CONTRACT AWARDED

Pa., York—F. S. Bartenschlager, controller York Co., to G. A. and F. M. Wagman, Dallastown, four 65 ft. rein.-con. arch bridges, two at Graybills, $14,900, and two at Spring Grove $15,718; to W. Drawbaugh Dover, three 40 ft. rein.-con. spans at Katzs Mill $13,900 and one 50 ft. rein.-con. span at Kralltown, $5,980; to C. M. Hess, Dillsbury, one 40 ft. rein.-con. span, $6,681. Noted Sept. 13.

Mich., Adrian—State Hy. Dept., Lansing, two 50 ft. concrete girder Bridges 460103 and 460104, to Smith & Nichols, Hastings, $24,671. Noted Sept. 27.

Ohio—See "Streets and Roads."

Ohio — Dept. Highways and Pub. Pks., Columbus, concrete through arch bridge on Sect. "A" Delphos-Wapakoneta Rd., Auglaize Co., to Stout & Stout, Stoutsville, $27,744; Dry Run bridge on Bellefontaine-Wapakoneta Rd., bridge on Sect. "Blackhoof Creek" of above road, also bridge on Sect. "C" Piqua-St. Marys Rd., all in Auglaize Co., to W. L. Hastings, Wapakoneta, $3,865, $2,907 and $4,335 respectively; concrete bridge on Sect. "G," also one on Sect. "P-2" Logan-New Lexington Rd., Hocking Co., to C. A. Lunsford, Logan, $2,538 and $1,511 respectively; bridge on Sect. "D" Sidney-Wapakoneta Rd., Shelby Co., to Elsas-Myer Co., Anna, $6,767; concrete culvert on Sect. "A" Ohio River Rd., Washington Co., to S. A. Palmer, Marietta, $7,087. Noted Sept. 20.

Wis., Green Bay—Kewaunee, Green Bay & Western Ry., Washington St., Green Bay and Chicago & Northwestern Ry., 226 West Jackson Blvd., Chicago, 230 ft. steel draw span over Fox River, to Wisconsin Bridge & Iron Co., North Milwaukee.

Ia., Greenfield — Adair Co., to F. W. Kempe, Greenfield, 49 rein.-con. culverts and extensions, and 1 I beam bridge, $24,400 and $9,143 respectively; O. A. Olson Constr. Co., Waterloo, 1 pony truss and 1 high truss bridge $25,300. Noted Sept. 20.

Minn., St. Paul—See "Miscellaneous."

Tex., Canadian — Hemphill Co. concrete-girder bridge over Washita River, 14 spans each 24 ft. 6 in., to Austin Bros. Bridge Co., Coombs St., Dallas, $34,631. Noted Aug. 23.

Wash., Omak—Comrs. Okanogan Co. (Okanogan), 408 ft. concrete bridge, 20 ft. roadway, 6 ft. sidewalks, over Okanogan River, here, also removing present structure, to Union Bridge Co., Central Bldg., Seattle, $80,000. Noted Sept. 13.

Ore., Portland—Improving East 33rd St. from south line of Halsey St. to south line of Bway., to Lindstrum & Fiegenson, Worcester Bldg., rein.-con. viaduct, $41,324, 6,000 cu.yd. embankment $0.70, 4,150 sq.ft. concrete sidewalk $0.20, 1,610 cu.yd. 7 in. concrete pavement $2.25, etc., total $41,925. Engrs. est. $43,492. Noted July 12.

Dams

PROPOSED WORK

Wis., Lone Rock—Wisconsin Power, Light & Heat Co., Gay Bldg., Madison, plans power dam across Wisconsin River, here. $25,000. Engineer not selected.

Wis., Wauzeka—See "Industrial Works."

Calif., Oroville—See "Waterworks."

Railways

PROPOSED WORK

North Carolina — High Point, Thomasville & Denton Ry., High Point, purchased Carolina and Yadkin River Ry., and plans to re-equip road and lay heavier rails. Address High Point Chamber of Commerce.

North Carolina—See "Industrial Works" under Ashville.

Kentucky—See "Miscellaneous."

Illinois—Wabash Ry. Co., Railway Exch. Bldg., St. Louis, Mo., plans 2.5 mi. spur from main line at Granite City to St. Louis Coke and Chemical plant. $65,000. A. O. Cunningham, ch. engr.

BIDS DESIRED

Texas—E. M. Wood, contractor of Roys City and Nacogdoches, desires to sub-let 14 mi. railroad grading 18,000-30,000 yd. per mi.

Excavation, Drainage, Irrigation

PROPOSED WORK

N. Y., Syracuse—Plans improving Furnace Brook, incl. construction of walls and widening channel to put water shed in condition. $125,000. T. H. Mather, city engr.

La., Baton Rouge—Voted $325,000 bonds for drainage work. J. W. Billingsley, Interstate Bank Bldg., New Orleans, consult. engr.

O., Warren—City election in November to vote on $300,000 bonds for straightening course of Mahoning River from Summit to South Sts., about 1 mi. Engineer not announced.

Wis., Fremont—Waupaca Co. Drainage Bd. making plans 31,000 cu.yd. earth excav. and open ditch draining, also 1¼ mi. 8-12 in. drain tile in Dist. 7, town of Little Wolf $25,000. L. C. Schindler, 721 Clark St., Appleton, engr.

Wis., Fond du Lac—Fond du Lac Co. Drainage Bd. making plans open ditch tile drainage and 6-14 in. vitr. tile drain in Lamartine D. D. 1. $30,000. L. M. Schindler, 721 Clark St. Appleton, Engr.

Ark., Pine Bluff—Consart D. D. plans system of main and lateral drainage ditches, levees, etc. $100,000. F. Bennett, Citizens Bank Bldg., engr.

Tex., Harlingen — Cameron Co. having plans prepared dredging main canal between arroyo and pumping plant in Cameron Water Impvt. Dist. 1. C. P. Bobo, Harlingen, mgr. of district. $90,000.

Okla., Muskogee — Verdigris Drainage Wagoner Co. having surveys made drainage and bridges, for 42,000 acres Verdigris River Valley north of here. $275,000. T. P. Clouts, 402 Metropolitan Bldg., engr.

Wash., Yakima—Plans eliminating open irrigation ditches by constructing concrete pipe lines. $54,700. C. F. Wilson, city engr.

Calif., Newhope (Walnut Grove P. O.)—Newhope D. D. plans election to vote on $150,000 bonds for drainage improvements.

Calif., Yuba City—Recl. Dist. 1660 had plans prepared for 90 mi. canals. J. C. Boyd, Forum Bldg., Sacramento, engr.

Excavation, Drainage, Irrigation (Continued)

Ont., Grand Bend — Stephen and McGillivray Twps. Councils, Huron Co., having plans prepared dredge cut 7 mi. long and drainage work. $100,000. F. W. Farncombe, Dominion Savings Bldg., London, engr.

BIDS DESIRED

N. Y., New York—Oct. 8 by J. H. Delaney, comr. Docks, Pier "A," North River, dredging between West 97th and West 99th Sts., Manhattan, Contr. 1799.

Miss., Yazoo City—Oct. 4, by Silver Creek D. D. of Yazoo, Humphreys and Sharkey Counties, at office of Barbour & Henry, attorneys, Yazoo City, constructing 1,250,000 cu.yd. excav. in drainage channels, having base widths from 6-22 ft. J. T. Montgomery, pres. bd. comrs.

Minn., Granite Falls—Oct. 19, by Yellow Medicine and Lyon Counties, Judicial Ditch 10, Sects. 1, 2, 3, 4, 5 and 6, 1,581,407 cu.yd. excav., etc., $180,280; Sects. 7, 8, 9 and 10, 379,991 ft. 6-28 in. tile, etc., $202,-214. Former bids rejected. E. W. Youngdale, Granite Falls, engr. Noted Sept. 13.

Calif., Byron—Oct. 15 by G. A. Howard, secy. Byron-Bethany Irrigation Dist., Byron, for 1 horizontal centrifugal pump, steel discharge pipe, two 14 in. gate valves, electric motor, irrigation ditches, wooden flood gates, 2 concrete retaining walls, enlarging pumping building, etc.

BIDS RECEIVED

Calif., Los Angeles—Harbor Comn., Sept. 14, dredging slip at Berth 230, 700,000 cu. yd., from San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, $0.1344 per cu.yd. Noted Sept. 6.

CONTRACTS AWARDED

Mo., Kirksville—C. E. Jacoby Eng. Co., engrs., Shukert Bldg., Kansas City, 5.5 mi. main ditches, clearing 20 acres and draining 3,500 acres, 209,150 cu.yd. excav., to J. H. Boyce Sons Co., 140 North 41st St., Omaha, Neb., $0.112 per yd., total $23,425, for Beashear D. D. Noted Sept. 13.

Calif., Los Angeles—Harbor Comn., 700,-000 cu.yd. dredging at Berth 230, to San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, $94,080. Noted Sept. 6.

Streets and Roads

PROPOSED WORK

N. J., Trenton — Mercer Co. plans new River Rd., and Sullivan Way; rebuild Robbins-Yardville Rd. and Whitehead Rd.; pave Main St. Pennington. H. F. Harris, Court House, engr.

Pa., Ebensburg — Comrs. Cambria Co. plan paving 12,800 ft. Allegheny Twn. Rd. starting at Bakers Lane, Loretto and extending toward Chest Springs, 16 ft. rein.-con. $75,000.

Md., Baltimore — Paving Comn. plans paving Glenoak and Norman Aves., Wilcox, Poole and 36th Sts., Dorchester, Grantley and Copley Rds., with 6 in. concrete; Curtain and Aiken Sts. with 7 in. concrete; 36th and Sycamore Sts. with 6 in. concrete or 4 in. vitr. brick blocks on 4 in. concrete. R. K. Compton, chn. and consult. engr.

W. Va., Beckley—Slab Fork Dist., Raleigh Co., election Oct. 16 to vote on $390,000 bond issue for roads. W. T. Campbell, Beckley, engr.

W. Va., Parkersburg—Election soon to vote on $300,000 bond issue for paving Market St., et al., and building filtration plant. T. V. Dunbar, Parkersburg, engr.

W. Va., Wayne—Wayne Co. takes bids about Dec. 1, grading and paving 10 mi. roads, 18 ft., in Union Dist., $194,000. H. O. Wiles, Wayne, engr.

N. C., Troy — Comrs. Montgomery Co. soon take bids grading, topsoiling, etc., 7 mi. Blaine-Chandlers Grove Rd. $30,000. W. G. Smitherman, chn. L. V. Edwards, Winston-Salem, engr.

Ga., Waynesboro—Plans paving various streets. Will issue $50,000 bonds.

Alabama—State Hy. Dept., Montgomery, plans grading and surfacing with 9 in. gravel, 9.487 mi. road from Georgianna to Conecuh Co. line, Federal Aid Project 143. $104,897. W. S. Keller, Montgomery, engr.

Alabama—State Hy. Dept., Montgomery, plans grading and surfacing 3.818 mi. Garden City-Warrior Rd. Federal Aid Project 126, Blount Co. $106,000. W. S. Keller, state highway engr.

Miss., Tupelo—Grading and paving with refined asphalt 125,000 sq.yd. various streets. $160,000.

La., Baton Rouge—Voted $600,000 bonds for street improvements and $35,000 for opening street. J. W. Billingsley, Interstate Bank Bldg., New Orleans, consult. engr. Noted Aug. 9.

La., Coushatta — Plans paving various streets, to exceed $25,000. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

Tennessee—Tennessee Dept. Hys. & Pub. Wks., Nashville, having surveys made 8.1 mi. highway from Clinton to Knox Co. line, Anderson Co.; 8 mi. from Knox Co. line to Lenoir City, Louden Co.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, having surveys made constructing 13 mi. highway from McMinnville to Rock Island, 18 ft. Warren Co. J. G. Creveling, highway comr.

Tenn., Jasper—Marion Co. making surveys 10 mi. State Highway between here and Whitwell, 16 ft., probably limestone base. $100,000 recently voted. State aid project under Tennessee Dept. Hys. & Pub. Wks., Nashville. J. G. Creveling, Nashville, hy. comr. Noted July 19.

Tenn., Livingston—Overton Co. having surveys made constructing 30 mi. road from Crawford to Clay Co. line. $300,000.

Ohio — Dept. Highways and Pub. Wks., Columbus, rejected bids Sept. 14, grading, bridging and paving 1.54 mi. Sect. "A1" Fremont-Port Clinton Rd., Sandusky Co., rein.-con., also 3.249 mi. Sect. "L" New Philadelphia-West Lafayette Rd., Tuscarawas Co. Noted Sept. 20.

O., Akron—Plans grading and paving about 1 mi. West Tallmadge St. $175,000. E. A. Kemmler, Delaware Bldg., engr.

O., Columbus—Plans to construct Olentangy Blvd. from Broad to Sandusky Sts., north along river to Doddridge St., 50 ft. wide, also lighting system and park improvements. $1,000,000. R. H. Simpson, city engr.

O., East Liverpool—Plans widening and repaving 1.25 mi. Avondale St., 40 ft., $50,000-$60,000; grading and paving 1 mi. Cadamus St., $40,000, and ½ mi. Rural Lane, 30 ft., $29,000, all brick. J. George, Genl. Del., engr.

O., Lisbon—Columbiana Co. plans resurfacing 1 mi. East Liverpool-Wellsville Rd., $40,000, and about 2 mi. Youngstown-East Liverpool Rd., 20 ft., $35,000, macadam. L. C. Kirk, Co. Bldg., engr.

O., Youngstown—Plans improving about ½ mi. Rosedale Ave., 40 ft., brick, $45,000; widening ½ mi. West Federal St., $50,000. I. Turner, city engr.

Michigan—State Hy. Dept., Lansing, rejected bids Sept. 19, grading and surfacing 1.956 mi. State Trunk Line Rd. 12-38, Dickinson Co. Noted Sept. 27.

Michigan—State Hy. Dept., Lansing, rejected bids Sept. 19, grading and surfacing 5.319 mi. Federal Aid Project 69, Sects. C and D, Livingston and Ingham Counties, 28,978 cu.yd. excav., 61,767 sq.yd. concrete. Noted Sept. 27.

Michigan—State Hy. Dept., Lansing, soon takes bids grading and surfacing 7½ mi. State Trunk Line Rd. 16-3, Eaton Co., F. F. Rogers, state comr.

Mich., Detroit — Plans prepared 101,700 sq.yd. 3½ in. sheet asphalt on 8 in. concrete on Glynn Court, Alwine Lane, Covington Dr., Manderson, Merton, Strathmore and Sherbourne Rds., Pilgrim, Park Grove, Rochester, Nevada, Marlborough, Holmur, 2nd, Grand, Dalrymple, Lodi and Knodell Aves., $612,330. G. Jerome, city engr.

Ill., Quincy—Supervs. Adams Co. appropriated $105,00 for hard surfaced roads and maintenance of roads, incl. $25,000 for right of way of State Highway Route 36. County and State share cost.

Wis., Madison — Making plans rein.-con. paving, curbing and guttering, etc., 6 blocks of Jenifer St. and Commercial Ave., 30 ft. $25,000. E. E. Parker, City Hall, engr.

Ia., Marshalltown — Marshall Co. soon takes bids gravel surfacing 8.25 mi. Primary Rd. 14, 18 ft., $25,000. D. C. Elder, co. engr.

Kan., Salina—Making preliminary plans grading and surfacing with concrete, brick or asphalt, curbing and guttering, etc., 5,800 ft. Sunset Dr., University, Prescott, Morrison, 11th, Putnam, Spruce, Mulberry, Front, Ellsworth and 13th Sts., average width 30 ft. $55,000-$60,000.

Kan., Wichita — Plans concrete paving, curbing and guttering 28 blocks 15th, 10th, Wichita, Hiram, Chautauqua, Coolidge, Ellis, Gilbert, Franklin, Lewis, Maple, St. Clair and Parker Sts. and alleys, 26-36 ft.; paving with asphaltic concrete, etc., 15 blocks, 15th, Washington, Elizabeth, Bluff, Yale, Estelle, Exposition, Market and Glenn Sts., 26 ft.; brick block paving, etc., 1 block alley between Main and Water Sts., 16 ft. $200,000. P. L. Brockway, city engr.

Minn., Duluth—Plans to expend $1,200,000 during 1924 for street improvements. Takes bids about January paving 3 mi. London Rd., 36 ft., concrete; 1 mi. extension to East 4th St., gravel; 2 mi. connection between center of city and Miller Trunk Rd.; concrete paving 3 mi. Boulevard, 24 ft. J. Wilson, city engr.

Mo., Hannibal — Making preliminary plans grading, curbing, guttering and concrete paving 7,177 sq.yd. North and South 6th, South 8th, South 9th, Delanayaven, Lemon and South 7th Sts. $21,500-$25,000. W. R. Gettler, City Hall, engr.

Mo., Kennett—Dunklin Co. making plans paving 30,000 sq.yd. various streets, concrete. H. Phillips Eng. Co., Bertig Bldg., Paragould, Ark., engrs.

Ark., Ft. Smith—Making preliminary plans grading and paving with rein.-con., asphalt or brick 8 blocks of South 23rd, G and H Sts. $25,000. W. H. Evans, Ft. Smith, engr.

Tex., Alice—Jim Wells Co. making surveys grading and rein.-con. paving 29 mi. State Highway 9A, 18 ft. $1,237,500. L. W. Scheide Mantel, co. engr.

Tex., Anderson—Grimes Co. election Oct. 20 to vote on $150,000 bonds, highway improvements. R. M. West, Navasota, co. judge. Engineer not selected.

Tex., Angleton—Brazoria Co. election Oct. 20 to vote on $350,000 bonds, grading and shell surfacing highway in West Columbia Rd. Dist. Address J. T. Loggins, co. judge.

Tex., Angleton—Brazoria Co. soon takes bids shell surfacing 8.1 mi. road from Bastrop Bayou to Oyster Creek Bayou, $98,000; 3.12 mi. State Highway 19, $33,570; 6 mi. State Highway 19, $51,000; all 16 ft. E. N. Gustafson, co. engr.

Tex., Austin—Travis Co. election Oct. 25, to vote on bonds grading (where necessary) and paving with gravel, macadam, bituminous macadam and concrete, Highways 2, 20, and 20A and lateral roads, 16 and 18 ft. $1,140,500. O. Leonard, co. engr.

Tex., Baird—Callahan Co. plans paving with concrete, bituminous concrete or bituminous macadam, 35 mi. Bankhead Highway, 18 ft. $600,000 bonds recently voted. V. B. Gilbert, co. judge. Noted Aug. 30.

Tex., Ballinger — Runnells Co. making plans graveling 9.25 mi. Ballinger-Winters Highway, Sect. State Highway 30, 18 ft. $70,000. J. E. Pirie, Ballinger, engr.

Tex., Centerville—Leon Co. election Oct. 26, to vote on $35,000 bonds grading, etc., various roads. W. I. Lacy, co. judge.

Tex., Corpus Christi—Nueces Co. takes bids latter part October gravel surfacing and 1 in. bituminous topping 10.1 mi. Corpus Christi-Bishop Rd., 18 ft. $230,000. C. E. Cocke, co. engr.

Tex., Edinburg—Hidalgo Co. plans election to vote on $108,000 bonds for hardsurfacing 14 mi. road starting at Weslaco and running north, 18 ft.

Tex., Eldorado—Schleicher Co. making plans grading and graveling 8 mi. State Highway 4; south of here, 18 ft. $65,000. J. L. Neil, Eldorado, engr.

Tex., Floresville — Wilson Co. making plans paving State Highway 22 B. $297,-500 Federal aid, $99,834 State aid. L. W. S. Mantel, Floresville, engr.

Tex., Groveton — Trinity Co. making plans bituminous topping 19 mi. State Highway 19, 18 ft. $450,000. W. J. Kelly, Trinity, engr.

Tex., Houston—Making plans permanent paving, curbing and guttering Cotton Ave. from Texas to Wyoming Sts. $25,000. J. C. McVea, city engr.

Tex., Linden—Cass Co. making plans paving 6 mi. State Highway 1, near Atlanta, 18 ft., bituminous macadam. $130,000. T. E. Hess, 310 Medical Arts Bldg., Dallas, engr.

Tex., Menard—Menard Co. voted $60,000 bonds constructing various roads. J. D. Scruggs, co. judge. Noted Aug. 9.

Tex., Novice — Coleman Co. defeated $200,000 bonds improving roads in Precinct 4. W. E. Dickerson, co. engr. Noted Sept. 6.

Tex., Palestine — Anderson Co. election Oct. 20, to vote on $150,000 bonds, grading, gravel and macadam surfacing roads in Plantersville Rd. Dist. E. W. Davis, co. engr.

Tex., Pearsall—Frio Co. plans grading and gravel surfacing State Highway 2, Rd. Dist. 4, 16 ft. $55,000 bonds voted. R. E. Killmer, co. engr.

Tex., Seguin — Guadalupe Co. making plans bituminous topping 8 mi. State Highway 3, 18 ft. $130,000. S. C. McCarty, Seguin, engr.

Streets & Roads (Continued)

Tex., Victoria—Victoria Co. plans election to vote on $375,000 bond issue for permanent paving and bridging highways. P. P. Putney, co. judge. Engineer not selected.

Tex., Waco—Making plans widening and paving 350 ft. 7th St., from Austin to Washington Sts., 58 ft. $25,000. V. G. Koch, city engr.

Okla., Marlow — Rejected bids grading and paving 18 blocks Main St. and Bway. Will readvertise soon. $73,000. V. V. Long & Co., 1300 Colcord St., Oklahoma City, engr. Noted Sept. 13.

Okla., Pawhuska—Plans grading and paving 5 blocks Lynn Ave., 7,100 sq.yd. asphalt, etc. $36,000.

Okla., Perry—Plans grading and paving 7th and 9th Sts., 14,200 sq.yd. concrete. $60,000. C. A. Wood, Stillwater, engr.

Okla., Sapulpa—Plans grading and paving 15 blocks in residential district, 16,000 sq.yd. concrete, 7,200 lin.ft. curbing and 5,100 cu.yd. excav. $75,000. F. E. Lawrence, Sapulpa, engr.

Nevada—State Hy. Dept., Carson City, rejected bids grading, concrete paving and building culverts between 1st and Aultman Sts. and east city limits of Ely, Project 70, White Pine 2-D-1. Noted Sept. 13.

Wash., Seattle—Had plans prepared and takes bids about Nov. 24, paving 4 mi. Youngstown Ave. S., $324,000; grading and paving 3 mi. Avalon Way, $362,000; 3 mi. Columbian Way, $364,000. J. D. Blackwell, city engr.

California—State Hy. Dept., Sacramento, having surveys made 11 mi. Truckee-Hinton Rd. and 6 mi. road from Floriston to Nevada State Line, Nevada Co. R. M. Morton, state highway engr.

California—State Hy. Comn., Sacramento, received no bids Sept. 17 surfacing 11.1 mi. road between 2 mi. south of Weaverville and Tom Long Gulch, 17,200 cu.yd. gravel or broken stone. Noted Sept. 6.

Calif., Marysville—Yuba Co. plans paving 7 mi. Arboga Rd. to Plumas Lake, and grading and gravel surfacing 5.5 mi. of above road from Plumas Lake to Bear River. To exceed $25,000. L. B. Crook, co. surv.

Calif., Newport Beach—Plans street improvements in Peninsula Dist. To exceed $25,000. P. E. Kressly, H. W. Hellman Bldg., Los Angeles, engr.

Calif., Pacific Grove — Plans paving 18 blocks Central Ave., to exceed $25,000. H. D. Severance, city engr.

Calif., Redwood City—San Mateo Co., had plans prepared improving Rd. Dist. 2, 16,000 cu.yd. excav., 542,900 sq.ft. 1½ in. warrenite on 4 in. concrete, 5,400 lin.ft. 4 in. vitr. sewers, etc. G. A. Kneese, co. surv.

Calif., San Francisco—Had plans prepared grading, concrete paving and building sewers in Wilde Ave., San Bruno to Delta Sts., 7,100 cu.yd. cut, 19,200 sq.ft. concrete pavement, 71,255 sq.ft. asphaltic concrete pavement, etc. To exceed $35,000. M. M. O'Shaughnessy, city engr.

Ont., Hamilton—Plans new pavements on Young, Stinson and Delaware Aves. $90,000. W. L. McFaul, City Hall, engr.

BIDS DESIRED

Rhode Island—Oct. 17, by State Bd. Pub. Wks., Providence, paving 6.11 mi. road, bituminous macadam, Contrs. 2310 and 2311; adv. E. N.-R. Oct. 4.

N. Y., Brooklyn—Oct. 10, by E. Riegelmann, boro pres., Boro Hall, repaving Empire Blvd., Saratoga and 12th Aves., North 7th, 79th, 99th and 80th Sts., sheet asphalt on concrete, North 7th and Union Sts., grade 1 granite on 6 in. concrete; grading, curbing and flagging 40th St.; curbing and flagging 80th and 81st Sts.

N. Y., Brooklyn—Oct. 11, by Park Bd., Municipal Bldg., New York, grading, sheet asphalt paving, etc. main roadway of Eastern Parkway from Albany to Ralph Aves., here. F. D. Gallatin, pres.

N. Y., New York—Oct. 11, by J. Miller, pres. Manhattan Boro, Municipal Bldg., sheet asphalt repaving 26th, East 31st, East 33rd, East 49th, 73rd and 148th Sts.; widening and repaving 35th St., granite block on concrete.

N. Y., New York—Oct. 9 by H. Bruckner, pres. Bronx, 3rd and Tremont Aves., asphalt paving Valentine Ave., Oak Terrace, Faile and East 204th St.; bituminous concrete paving Sherman Ave. and East 178th St.; grading, curbing, etc. Montgomery Ave. and Purdy St.; sewers in Grand Blvd. and East 158th St.; concrete culvert across Ludlow Ave. at Taylor Ave.

N. Y., St. George—Oct. 9, by J. A. Lynch, pres. Richmond Boro, Boro Hall, concrete sidewalks on both sides of Amboy Rd., Curtis and Butler Aves., west side of Pelton and Nicholas Aves., east side of Richmond Ave., Gray St. and Amboy Rd.; concrete curbing, resetting bluestone and concrete curbs, laying vitr. brick gutters, etc. on Elliott Ave.; repaving Sea and Richmond Aves., bituminous concrete.

New Jersey—Oct. 22, by State Hy. Dept., Trenton, paving Route 8, Sect. 2, Montclair to Verona, Essex Co., rein.-con. and sheet asphalt. A. L. Grover, secy.; adv. E. N.-R. Oct. 4.

N. J., Alpha—Oct. 24, by Bd. Freeholders Warren Co. (Belvidere) paving Alpha Boro Rd., here. H. W. Vetter, Belvidere, co. engr.; adv. E. N.-R. Oct. 4.

N. J., East Orange—Oct. 8, about 20,500 sq.ft. 4 and 5 ft. concrete sidewalks, on Davis Pl., Ampere Parkway, Everett, Charles and Oak Sts., Laurel, Tremont, Grand and Freeman Aves. L. E. Rowley, city clk.

N. J., Plainsboro—Oct. 12, by Plainsboro Twp. Com., Plainsboro School Bldg., constructing 22,400 sq.yd. Plainsboro-Cranbury Neck-Princeton Junction Rd. Sincerbeaux & Moore, Mechanic Bldg., Trenton, engrs.

Pa., Reading—Oct. 10, by City Council. 8,700 sq.yd. rein.-con. road connecting Maiden Creek pumping station with Center Turnpike, at Ontelaunee.

Maryland—Oct. 9, by State Rds. Comn., Baltimore, paving 0.65 mi. state highway in Anne Arundel Co., vitr. brick, Contr. AA-35. J. N. Mackall, chn.; adv. E. N.-R. Oct. 4.

Md., Baltimore—Oct. 10, by Bd. Awards, grading streets listed in Contr. 247-OA, 19,200 cu.yd. embankment and 15,000 cu.yd. excav. $28,000. R. K. Compton, 214 East Lexington St., chn. and consult. engr. of Paving Comn.

W. Va., Fayetteville—Oct. 16, by Fayette Co., grading and paving with concrete or asphalt 4 mi. Montgomery-Deepwater Rd., Project F K 40, 18 ft. $120,000. H. R. Anderson, Fayetteville, engr.

W. Va., Huntington—Oct. 8, resurfacing about 0.8 mi. 8th St., 4th and 3rd Aves., 30 ft., concrete or brick. $25,000. A. B. Maupin, city engr.

W. Va., Parkersburg — Oct. 9, paving about 4 mi. Market, 17th, 20th, 15th, 13th, Andrew, Lulu, Liberty, 16th, Latrobe, 25th, Wood and Laird Sts., 16-20 ft., plain concrete. $200,000. J. V. Dunbar, city engr. Noted July 19.

W. Va., West Union—Oct. 13, by Doddridge Co., grading etc. about 1 mi. road from Northwestern Turnpike to Cabin Run (Central Dist.), also about 1 mi. Bluestone-Fall Run Rd. (West Union Dist.), both 18 ft. $50,000.

Fla., Inverness—Oct. 9, by Citrus Co. 64,000 cu.yd. grading and 160,000 sq.yd. paving. E. V. Camp, Jacksonville, engr.

Fla., Tavares—Oct. 15, by Comrs. Lake Co., sand clay surfacing 10.75 mi. Rd. No. 3, Group B, $32,250; 12.18 mi. road Group D, $36,500; 14.5 mi. Rd. 1B and 2 in Group B, $43,000; 10.08 mi. road Group C, $30,000; 14.55 mi. road Group E, $43,500. G. E. Heller, Tavares, engr. Noted Aug. 23.

Miss., New Albany—Oct. 23, by Union Co Courthouse, grading and gravel surfacing 8.812 mi. Federal Aid Project 122, 18 ft. $68,842. H. C. Dietzer, c/o State Hy. Dept., Jackson, engr.

Tennessee—Oct. 19, by Tennessee Dept. Highways, Nashville, bituminous macadam surfacing 13 mi. State Aid Highway 132, 16 ft., Knox Co., 3.3 mi. State Aid Project 133, 16 ft., Jefferson Co., 11 mi. State Aid Project 137, 14 ft., Marion Co., road from Maryville to Knox Co. line, State Aid Project, 141, 16 ft., Blount Co., 13½ mi. Federal Aid Projects 24 and 72, 16 ft., Marion Co.; grading 19 mi. State Aid Project 140, 20 ft., Meigs Co.; grading, gravel and chert surfacing 11.86 mi. Federal Aid Project 99, 16 ft., Wayne Co. J. G. Creveling, Nashville, highway comr.

Ohio—Oct. 16, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 60.887 mi. roads in Adams, Allen, Ashtabula, Cuyahoga, Fairfield, Greene, Hamilton, Jefferson, Lorain, Medina, Richland, Trumbull, Tuscarawas and Williams Counties; grading 8.771 mi. roads in Mercer and Williams Counties. A. V. Donaheys, dir. highways.

O., Barberton — Oct. 10, by A. Baylor, serv. dir., brick paving 1.5 mi. Hopocan Ave., 40 ft. $40,000.

Michigan—Oct. 10, by State Hy. Dept., Lansing, grading and surfacing 5.421 mi. State Trunk Line Rd. 40-6, Sect. B, Van Buren Co., 37,332 cu.yd. excav., 51,109 sq. yd. gravel. F. F. Rogers, state comr.

Michigan—Oct. 17, by State Hy. Dept., Lansing, grading and surfacing 6.304 mi. State Trunk Line Rd. 55-10, Roscommon Co., 46,136 cu.yd. excav., 59,174 sq.yd. gravel. F. F. Rogers, state comr.

Ill., Libertyville—See "Bridges."

Ia., Waterloo—Oct. 16 by Auditor Black Hawk Co., paving Primary Rd. 40, north and south across county and between here and Hudson. Iowa Hy. Comn., Ames, engrs.

Minn., Red Wing—Oct. 9, by C. H. Meyer, aud. Goodhue Co., 5.2 mi. Job 2401, 93,553 cu.yd. excav., 11 monolithic culverts, 478 cu.yd. concrete; 2 mi. Job 2402, 53,951 cu.yd. excav., 200 ft. wooden pile and deck span bridge. $30,000. J. A. Prior, co. engr.

Minn., St. Paul—Oct. 9, by H. W. Austin, city purch. agt., paving Lexington Ave., 12,070 sq.yd. sheet asphalt, etc., $33,000; Minnehaha St. between Lexington and Fairview Aves., 23,008 sq.yd. 3½ in. creosoted wood blocks, 2,114 sq.yd. sheet asphalt, etc., $95,000; Minnehaha St. between Fairview and Prior Aves., 2,300 sq.yd. 3½ in. creosoted wood block, 1,667 sq.yd. vertical fibre brick. G. M. Shepard, city engr.

Tex., Center—Oct. 15, by O. H. Pollen, mayor, paving various streets, 40,000 sq.yd. 6 in. concrete, 10,000 sq.yd. iron gravel base, with asphalt treatment. $125,000. Titus & Dillon, Center, engrs.

Tex., Houston—City Com. taking bids paving, (bituminous type), curbing and guttering, etc. Reisner Ave. and Buffalo Dr. to exceed $25,000. J. C. McVea, city engr.

Tex., Palestine—Oct. 10, by T. M. Campbell, Jr., aud. Anderson Co., grading, gravel and clay surfacing and bridging 6 mi. Elkhart-River City Rd., 16 ft. $50,000. E. W. Davis, co. engr.

Washington—Nov. 6, by J. Allen, state highway engr., Olympia, extending present Asotin-Anatone Highway, Asotin Co., 4 mi.; grading and gravel surfacing 2.3 mi. North Bank Highway, Skamania Co., 2.3 mi. Permanent Highway 9, Skagit Co., 11.7 mi. Inland Empire Highway, Walla Walla Co.; grading and surfacing with crushed gravel 6.7 mi. Pend O'Reille Highway, Pend O'Reille Co.; grading and surfacing with crushed rock or gravel 12.2 mi. North Central Highway, Lincoln Co.

Calif., San Francisco—Oct. 17, by Dept. Pub. Wks., City Hall, curbing, paving and laying sewers in Buchanan St., 22,691 cu.yd. cut, 4,364 sq.ft. brick and 7,515 sq.ft. asphaltic concrete pavement, etc. To exceed $30,000. M. M. O'Shaughnessy, city engr. Noted Jan. 11.

Quebec—Oct. 20, by J. L. Boulanger, deputy minister Dept. Rds., Quebec, grading 121,632 ft. St. Hyacinthe-Melbourne Highway, 18 ft., in St. Joseph, St. Hyacinthe le Confesceur, St. Liboire, St. Ephrem d'Upton, St. Andre d'Acton, Acton Vale and St. Christine Parishes. G. Henry, c/o Dept. Rds., Quebec, engr.

BIDS RECEIVED

N. Y., Brooklyn—F. D. Gallatin, pres. Park Bd., Municipal Bldg., New York, Sept. 27, grading, curbing, paving with asphalt on crete, etc., main roadway Eastern Parkway, from Cranford Co., 52 9th St., $123,713. Noted Sept. 20.

N. Y., Brooklyn—E. Riegelmann, pres. Brooklyn Boro, Boro Hall, grading, curbing, flagging and constructing ramps and steps on (1) Stillwell Ave. (2) West 12th, West 19th, West 31st and West 36th Sts. (3) West 15th, West 16th and West 24th Sts. (4) West 27th, West 28th, West 29th, West 35th and West 37th Sts., from J. G. Guinan Contg. Co., 2314 Gravesend Ave. (1) $96,661 (2) $221,589 (3) $146,130 (4) $167,293. Noted Sept. 20.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg. Sept. 25, grading and otherwise improving Jamaica Bay Blvd., from Patrick McGovern, Inc., 50 East 42nd St., New York. $200,082. Noted Sept. 20.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg. Sept. 25, repaving Jackson Ave. sheet asphalt on concrete, from Uvalde Asphalt Paving Co., 1 Bway., New York, $133,614. Noted Sept. 27.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing and laying sidewalks on Graham Ave., and paving with permanent asphalt on concrete, Ditmars Ave., from Uvalde Asphalt Paving Co., 1 Bway., New York. $26,200 and $38,800 respectively. Noted Sept. 20.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Sept. 27, repaving with sheet asphalt on concrete (1) East 18th St. (2) 19th St. (3) 58th St. (4) East 67th St. (5) East 81st St. (6) 83rd St. (7) 90th St. (8) 98th St.; repaving with 5 in. granite block on concrete (8) 138th St., From Sicilian Asphalt Paving Co., 47 Park Row, (1) $45,789; Uvalde Asphalt Paving Co., 1 Bway., (2) $15,509 (3) $13,745 (4) $9,523 (5) $19,143; Cleveland Trinidad Paving Co., Flushing, (6) $10,602 Brusstar Constr. Co., Harlem River and 150th St., (7) $36,647 (8) $11,088; Burnside Contg. Co., 270 Burnside Ave., (9) $19,929.

N. Y., New York—G. A. Whalen, comr. Dept. Plant & Structures, Municipal Bldg. Sept. 25, reconstructing pavement, curbs etc., on Manhattan approach of Williams-

Streets and Roads (Continued)

burg Bridge, from Sicilian Asphalt Paving Co., 41 Park Row, $41,962. Noted Sept. 27.

N. J., Asbury Park — State Hy. Dept., Trenton, Sept. 24, paving 21,956 sq.yd. Main St., here, Monmouth Co., sheet asphalt, from J. F. Burke, 309 Park Ave., Plainfield, 90 days; engrs. est. ($115,616). Noted Sept. 6.

N. J., Haddonfield—For 2,420 lin.ft. concrete curbing, 1,440 sq.yd. concrete gutter, 11,320 sq.ft. concrete sidewalk, 4,880 sq.yd. rein.-con., etc., from W. Eisenberg, Camden, $29,356. Engrs. est. $36,000.

Maryland—State Rds. Comn., Baltimore, concrete surfacing 1.99 mi. roads in Frederick Co.: Contr. F-62, from Thomas, Bennett & Hunter, Westminster, $60,816. Noted Sept. 20.

Virginia — State Hy. Comn., Richmond, paving with concrete 5.99 mi. Project F-260, Hanover and Henrico Counties, from Hurgess & Dorrier, Scottsville, $275,348, 6.4 mi. Project F-180-A, Northampton Co., from Phillips & Neal, Hurlock, Md., $205,023; paving with bituminous macadam 3.2 mi. Project S-142-D, Appomattox Co., from Ford & Harvey, Lynchburg, $105,859, 1.1 mi. Project S-330, Wise Co., from W. H. Meadows, Coeburn, $57,078, 7.4 mi. Project S-297, Albemarle Co., from Burgess & Atkisson, Scottsville, $338,328; topsoiling 4.2 mi. Project S-172-B, Buckingham Co., from Perkins & Barnes, Blackstone, $17,022; grading 9.5 mi. Project S-306, Russell Co., from Snead & St. Martin, Norton, $156,263; graveling 7.1 mi. Project S-319, Isle of Wight Co., from Battershill & Goode, Virginlina, $138,704; 141 ft. steel and rein.-con. bridge over south fork Roanoke River, near Elliston, Project S-342, Montgomery Co., from R. W. Curtis, Lynchburg, $13,016; 32 ft. rein.-con. bridge over Creek near Chilhowie, Project S-334, Smyth Co., from Luten Bridge Co., Knoxville, Tenn., $5,639. Noted Aug. 31.

Miss., Carrollton—Carroll Co. gravel surfacing 8.047 mi. Federal Aid Project 148, 16 ft., from McElwrath & Rogers, Grenada, $116,977. Noted Aug. 30.

La., New Orleans — Comn. Council received more than 500 bids from contractors for paving and subsurface draining 46 streets included in 1924 paving program. Details later. Noted Aug. 9.

Kentucky—State Hy. Dept., Frankfort, Sept. 26, constructing and surfacing 6.502 mi. Mt. Sterling-Owingsville Rd., 18 ft., Federal Aid Project 98, Montgomery Co., concrete, and 6.297 mi. Owingsville-Mt. Sterling Rd., 18 ft., State Project 47, Sect. A, Bath Co., from Gradison Constr. Co., 701 1st Natl. Bank Bldg., Cincinnati, O., $220,190 and $269,763 respectively; 11 mi. Louisville-Paducah Rd., 16 ft., State Project 8, Sect. D, Hancock Co., from Corum Bros., Madisonville, $69,184; 14.421 mi. Owenton-Carrollton Rd., 14 ft., State Project 59, Sect. A, Owen Co., from Muir & Welch, Nicholasville, crushed limestone $320,456, Kentucky Road Oil Co., Frankfort, oil $17,789; 14.57 mi. Whitley City-Somerset Rd., 16 ft., State Project 22, Sect. D, McCreary Co., from Connolly Constr. Co., Somerset, $479,289, surface treating same road from Southern Oil & Tar Co., Clay and Fulton Sts., Louisville, oil $20,140; constructing 10.7 mi. Georgetown-Cynthiana Rd., 14 ft., State Project 58½, Harrison Co., waterbound macadam, from G. W. Vanderen, Cynthiana, $59,086; grading, etc., 11.509 mi. Pineville-Harlan Rd., 24 and 28 ft., State Project 6, Sect. A, Bell Co., from J. S. Tusk Co., Knoxville, $227,567; 0.333 mi. Marion-Princeton Rd., 24 and 28 ft., State Project 10, Sect. B, Crittenden and Caldwell Counties, from Tusk Constr. Co., Knoxville, $4,585; 5.067 mi. Whitesburg-Hazard Rd., 24 and 28 ft., State Project 4, Sect. A, Letcher Co., from Codell Constr. Co., Winchester, $139,484. Noted Sept. 13.

O., Akron—Bd. Pub. Serv. curbing and paving (1) Brown St. (2) North Main St. (3) Glendale Ave. with (a) standard brick, cement fill, 6 in. base (b) standard brick, asphalt fill, 6 in. base (c) sheet asphalt, brick gutter, Trinidad asphalt fill, 8 in. base (d) sheet asphalt, brick gutter, Texaco asphalt fill, 8 in. base (e) sheet asphalt, brick gutter, Mexican asphalt fill 8 in. base (f) asphalt willite, brick gutter, Trinidad asphalt fill, 8 in. base (g) asphalt willite, brick gutter, Texaco asphalt fill, 8 in. base (h) asphalt willite, brick gutter, Mexican asphalt fill, 8 in. base (i) sheet asphalt, brick gutter, Trinidad asphalt fill, 7 in. base (j) sheet asphalt, Texaco asphalt fill, 7 in. base (k) sheet asphalt, brick gutter, Mexican asphalt fill, 7 in. base (l) asphalt willite, brick gutter, Trinidad asphalt fill, 7 in. base (m) asphalt willite, brick gutter, Texaco asphalt fill, 7 in. base (n) asphalt willite, brick gutter, Mexican asphalt fill, 7 in. base from T. E. McShaffrey Constr. Co., 171 South Forge St., (1a) $285,825 (1b) $250,005 (1c) $276,975 (1d) $271,905 (1f) $282,045 (1g) $276,975 (2c) $148,985 (2d) $146,465 (2f) $151,505 (2g) $148,985 (3a) $65,341 (3b) $66,177 (3i) $62,538 (3j) $61,692 (3l) $63,384 (3m) $62,538; McAlonan Bros., 197 West Buchtel Ave. (2a) $170,538 (2b) $172,558 (3a) $64,481 (3b) $65,317. Noted Sept. 13.

O., Cleveland—Grading, curbing and paving (1) West 3rd St. (2) Braddock Ave. (3) East 115th St. (1-3 inclusive) involve 7,230 sq.yd. asphalt on concrete, etc. (4) East 9th St. from Lakeside to Prospect Aves. (5) East 9th St. from Prospect to Woodland Aves. (6) Rosecliff Rd. (4-6 inclusive) involve 7,290 cu.yd. earth excav., 1,990 sq.yd. vitr. brick, 11,970 sq.yd. asphalt, 13,960 sq. yd. concrete base, etc., from Cleveland Trinidad Paving Co., The Arcade. (1) $12,917 (4) $69,149 (5) $50,672; H. G. Herring, Pavers Exch., (2) $7,896; Bentley Bros., Union Bldg., (3) $15,252; Gould & Maybach, 16311 Sarenec Rd., (6) $12,607. Noted Sept. 6.

O., Cleveland—Grading and paving Seine Court and West 41st St., from Roehl Bros. Paving & Constr. Co., West 25th St. and Clark Ave., $3,050 and $14,199 respectively; Hood Ave. and West 23rd St., from W. E. McHugh, West 73rd St. and Wheeling & Lake Erie R.R., $20,350 and $14,793 respectively; West 88th St. from Highway Constr. Co., 903 Lorain County Bank Bldg., Elyria, $17,762; Parkview Ave. from A. M. Pejsa Paving Co., 3161 Derbyshire Rd., $27,258.

Tex., Alpine—Brewster Co. grading, surfacing with gravel and caliche 15.7 mi. State Highway 12, 18 ft., from Womack Constr. Co., Sherman, $72,119, engrs. est. $88,635 incl. engineering and contingencies; 8.53 mi. State Highway 12, 18 ft., from Mitchell Constr. Co., Abilene, $37,517, alternate $38,927. Noted Sept. 6.

Tex., Conroe—Montgomery Co. grading and surfacing with local gravel 7.92 mi. State Highway 19, 16 ft., from Brown & Root, Georgetown, $25,084; engrs. est. $32,000; grading and surfacing with shipped gravel 14.21 mi. State Highway 49, 16 ft., from J. D. George, Lufkin, $151,831, engrs. est. $160,000. Noted Sept. 6.

Tex., Mt. Pleasant — Titus Co. grading and gravel surfacing 1.91 mi. State Highway 35, 16 ft., and 4.13 mi. State Highway 1-A, 12 ft., from J. D. George and C. C. Kerr, Lufkin, $19,411 and $34,088 respectively, engrs. est. $30,000 and $61,854 respectively. Gravel to be furnished by county.

Nevada—State Hy. Dept., Carson City, grading, building culverts, placing selected material surface and building concrete and steel overhead railroad crossing between Keystone and East City limits of Ely, Projects 25 and 70, White Pine 2-C-3, from Kroft & Bundy, Ogden, Utah, $81,936. Noted Sept. 13.

California—State Hy. Comn., Sacramento, gravel surfacing 12.7 mi. road east of Chester and 3 mi. east of Westwood, 19,850 cu.yd. gravel or broken store surface, from T. H. and M. C. Polk, Chico, $3.19 per cu.yd., total $63,322. Engrs. est. $67,490. Noted Sept. 6.

Calif., Glendale—Improving Colorado St., from Heuser-Packard Co., and C. Thompson, Loew State Bldg., Los Angeles, 538,898 sq.ft. grading $0.06 per sq.ft., 19,473 sq.ft. gutter $0.25, 519,516 sq.ft. 1½ in. National surface on 4 in. asphaltic concrete $0.23, 23,452 lin.ft. concrete curb $0.50, 5,558 sq. ft. walks $0.17, etc., total $215,786. Noted Sept. 13.

Calif., Los Angeles—Grading, paving and building storm and sanitary sewers in Childs Ave. between Los Feliz Blvd. and Scotland St., from R. N. Nikcevich, P. O. Box 4, Long Beach, grading (lump sum) $48,582,580 ft. 6 in. concrete pavement $0.235, 4,750 ft. bituminous pavement $0.15, 28,856 lin.ft. curb $0.66, 59,011 ft. cement walk $0.21, storm drains (lump sum) $94,000, sanitary sewer (lump sum) $59,000, 12,120 ft. house sewers $1.75, etc.

Calif., Los Angeles—Los Angeles Co., grading, paving, etc., 21 mi. Palmdale-Pallett Creek Rd., 46,389 cu.yd. rock and 97,800 cu.yd. earth excav., 110,924 lin.ft. shaping roadbed, 76,483 sq.yd. disintegrated granite pavement., 100,293 sq.yd. 6 in. asphaltic concrete, 5,158 lin.ft. 15-48 in. corrugated culvert pipe, etc., from Southwest Paving Co., Washington Bldg., $460,000.

Calif., San Diego—Improving Maryland St. from Madison to Van Buren Sts., (1) 73,693 sq.ft. 1½ in. Warrenite on 4 in. cement concrete (2) 31,174 sq.ft. 1½ in. Warrenite on 2½ in. black base (3) 200.9 sq.ft. cement concrete sidewalk (4) 297.5 lin.ft. cement concrete curb, from California Constr. Co., Union Bldg., (1) $0.25 (2) $0.21 (3) $0.25 (4) $0.80, etc., total $25,393; G. R. Daley, 4430 Boundary St., (1) $0.245 (2) $0.235 (3) $0.24 (4) $0.75, etc., total $25,818.

Calif., Santa Cruz—Santa Cruz Co. improving Marks and Slaughter House Rds., et al., 938 cu.yd. earth and 4,555 cu.yd. rock excav., 1,358 lin.ft. 10-30 in. corrugated pipe, etc. from J. L. Conner, P. O. Box 565, $27,694.

Que., Montreal — Asphalt pavements on 4,700 sq.yd. Fabre, 9,500 sq.yd. Marquette and 4,100 sq.yd. Garnier Sts., from Quinlan, Robertson & Janin, Ltd., 50 Notre Dame St. W., $22,615, $45,745 and $20,225 respectively; 4,550 sq.yd. Parthenais Ave., from B. Brault, Ltd., 2855 Rosemount Blvd., $18,052; concrete sidewalks on 2,240 sq.yd. 9th Ave. and 2,500 sq.yd. Hector St., from F. Lapan, 601 Lacordaire St., $8,719 and $11,180 respectively; 3,250 sq.yd. 8th and 1,340 sq.yd. 5th Aves., from Leger & Lamoureaux, St. Denis Bldg., $12,470 and $5,180 respectively; 1,200 sq.yd. Lajeunesse St., from Rondou, Corlier & Co., 3506 Christophe Colomb St., $7,295. Noted Sept. 6.

CONTRACT AWARDED

Connecticut—State Hy. Dept., Hartford, resurfacing and repairing 2 mi. highway in Simsbury and 2 mi. in Hazardville, 18 ft., bituminous macadam, to Immick Co., State St., Meriden, Engrs. est. $60,000.

N. J., Newton—Bd. Freeholders Sussex Co. graveling 1 mi. Fredon-Stillwater Rd., and portion Middleville Rd., to Richards & Gaston, 110 South Bridge St., $39,226. Noted Sept. 6.

N. J., Newark — T. L. Raymond, dir. Dept. Streets and Pub. Impvts., City Hall, to A. Milmoe, 83 Littleton Ave., asphalt paving Port Newark Development and oblong granite block paving Commerce St., $214975 and $41,518 respectively.

N. J., Point Pleasant Beach—Constructing concrete pavement and curbs on Arnold and Bay Aves., also storm drains and appurtenances in Railroad Sq., Cincinnati and Arnold Aves., to F. Van Roden, 154 Boiling Spring Ave., East Rutherford, $46,554. Noted Aug. 30.

Pennsylvania—State Hy. Dept., Harrisburg, 16,926 sq.yd. Route 149 Berks Co., to Ambler-Davis Co., Harrison Bldg., Phila., $71,070, 10,060 sq.yd. Route 138 Lancaster Co., to Swanger Fackler Constr. Co., 2nd and Canal Sts., Lebanon, $43,580, 9,820 sq.yd. Application 2557 Northampton Co., to General Paving Co., B & B Bldg., Allentown, $42,352, 4,009 sq.yd. Route 52 Somerset Co., to C. J. Newman & Co., Boswell, $22,010, 14,441 sq.yd. Application 2002 York Co., to W. C. Guncheon & Co., Masonic Bldg., Harrisburg, 57,602, all foregoing rein.-con.; 16,052 sq.yd. asphalt and 6,549 sq.yd. rein.-con. on Route 131 Delaware Co., to Highway Constr. Co., Phila., $100,674; 1,170 sq.yd. vitr. brick and 3,450 sq. yd. rein.-con. on Route 117, Fayette Co., to J. I. Dick, Scottdale, $37,742. Noted Sept. 20.

Pa., New Castle—Paving Park Ave. with concrete to Woods & Golder Co., New Castle, $25,009.

Pa., Pittsburgh—Grading paving and curbing Westmoreland St., to Booth & Flinn, Ltd., 1942 Forbes St., $32,087; repaving Rosedale St., to T. Cronin Co., South 18th St., $26,925.

Pa., Waynesburg—Comrs. Greene Co., 2 mi. concrete road from here to Spraggs, to Reed & Moore, Waynesburg, $108,729.

W. Va., Huntington—Paving with brick on concrete 7 mi. 7th Ave. and 4th St., to A. Trainor, 1128 9th Ave., $25,103.

N. C., Thomasville—Bitulithic paving 40,000 sq.yd. streets, to R. J. Lassiter & Co., Citizens Bank Bldg., Raleigh, $75,000.

S. C., Aiken—Comrs. Aiken Co. construction 8.2 mi. sand clay road between survey stations 1108-87 and 1544-55 near Monetta, State Route 39, to T. E. Hook, New Brookland, $22,970. Noted Aug. 23.

S. C., Dillon—Comrs. Dillon Co., 6.9 mi. sand clay road between here and North Carolina line, State Route 23, Federal Aid Project 209, to T. E. Hook, New Brookland, $36,362. Noted Aug. 23.

Alabama—State Hy. Dept., Montgomery, grading and surfacing with gravel, 9 in. loose, 9.765 mi. road from Riderwood to Mississippi State line, Federal Aid Project 134, Choctaw Co., to M. H. Gardiner, 1502 18th St., Columbus, Ga., $193,865.

Miss., Canton—To Lawrence Constr. Co., Canton, 100,000 sq.ft. Kentucky rock on 6 in. concrete 2.59 per sq.yd., excav. $0.60 per cu.yd., curb and gutters $0.90 per lin. ft., etc.

Ky., Middlesboro—Rock asphalt paving East Cumberland Ave. and portion Fitzpatrick Ave., to Humbard Constr. Co., Knoxville. Engrs. est. $30,000.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 0.864 mi. Sect. "F-1" Lima-Spencerville Rd., bituminous macadam asphalt, Allen Co., to Agerter & Scott, Lima, $19,501; 3.437 mi. Sect. "N-1" "N-3" "Maumee," Toledo-Napoleon Rd., 3.437 mi. extra width Toledo-Napoleon Rd., 1.4164 mi. Toledo-Napoleon Rd., part of "Maumee," and 1,464 mi. Toledo-Napoleon Rd., part of "Maumee," Lucas Co., sheet asphalt, to Dorsey Constr. Co.,

Streets and Roads (Continued)

Findlay, $186,055, $112,254, $80,077 and $61,440 respectively; 0.734 mi. Sect. "Covington" Piqua-Covington Rd., and extra width 0.734 mi. Sect. "Covington" Piqua-Covington Rd., Miami Co., plain concrete, to Wapakoneta Cement Block Co., Wapakoneta, $19,512 and $20,519 respectively; 0.75 mi. Sect. "K-2" McConnellsville-Caldwell Rd., Morgan Co., asphalt macadam, to E. H. Clifton, Eaglesport, $31,175; 1.596 mi. Sect. "P" Cleveland-Massillon Rd., Stark Co., brick incl. brick, to W. E. Burk & Sons, Akron, $77,671. Noted Sept. 20.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 3 mi. Sect. "M" Barnesville-Bellaire Rd., Belmont Co., bituminous macadam tar, to H. F. Dougherty, Steubenville, $100,433; 2.93 mi. Sect. "P-2" Cincinnati-West Union Rd., Brown Co., waterbound macadam, to Craig & Jordan, Blanchester, $14,156; 6.122 mi. Sect. "Q" Cincinnati-West Union Rd., Brown Co., waterbound macadam, to Bashford & Day, Peebles, $181,851; 3.17 mi. Sects. "D-J-L-2" Archbold-Fayette Rd., Fulton Co., waterbound macadam, to La Bolteaux & Hayes, Toledo, $22,670; 0.626 mi. Sects. "H-G-J-K" Cleveland-Meadville Rd., Geauga Co., concrete and gravel, to J. A. Stein, Niles, $12,846; 5.287 mi. Sect. "B-1" Toledo-Napoleon Rd., Kentucky rock asphalt, and 0.65 mi. Sect. "Napoleon" Toledo-Napoleon Rd., rein.-con., both Henry Co., to A. Langenderfer, Toledo, $119,744 and $20,899 respectively; 2.494 mi. Sect. "A" Germantown-Middletown Rd., Montgomery Co., rein.-con., to Bigler Bros., Middletown, $60,491; 2.849 mi. Sect. "B" Portsmouth-Jackson Rd., bituminous macadam, tar, and 0.681 mi. Sect. "C" of above road, brick, both Scioto Co., to Mountain & Cloran, Ironton, $91,453 and $30,539 respectively; 1.561 mi. Sects. "C and D-1" Massillon-Wooster Rd., Stark Co., brick, to G. Hoadley, Canton, $60,857; 0.215 mi. Sect. "E" Coshocton-Mt. Vernon Rd., and 0.393 mi. Sect. "A" Coshocton-Plainfield-Cambridge Rd., both Coshocton Co., rein.-con., to McCleary & McGregor, West Lafayette, $6,185 and $10,666 respectively; 0.912 mi. Sect. "Bloomingburg" Washington-London Rd., Fayette Co., brick on macadam, to W. H. Ringwold, Chillicothe, $42,128; 2.367 mi. Sect. "G-1" Cadiz-Carrollton Rd., Harrison Co., bituminous macadam, to Billiter & Oliver Bros., Cincinnati, $75,240; 2.508 mi. Sect. "B" Youngstown-East Liverpool Rd., Mahoning Co., bituminous macadam, tar, to G. A. Gialdini, Youngstown, $48,448; 2.158 mi. Sect. "L-2" McConnellsville-New Lexington Rd., Morgan Co., asphaltic macadam, to N. B. Koffroth, Richwood, $55,349; 1.09 mi. Sect. "A" Greenville-New Paris Rd., Preble Co., Kentucky rock asphalt, to H. W. Curry, Eaton, $31,720; 1.712 mi. Sect. "B" Fremont-Republic Rd., Sandusky Co., tar macadam, to N. B. Putnam, Van Wert, $43,838; 2.01 mi. Sect. "A" Fremont-Republic Rd., Seneca Co., tar macadam, to Putnam & Shindeldecker, Van Wert, $43,419; 1.49 mi. Sect. "I," 2.7 mi. Sect. "J," 3.44 mi. Sect. "K," 1.7 mi. Sect. "L" and 1.39 mi. Sect. "M" Cleveland-Massillon Rd., Summit Co., brick and rein.-con., to McArthur Constr. Co., Kenton, $66,625, $97,610, $139,745, $62,059 and $65,987 respectively; grading and placing loose limestone on 0.208 mi. Sect. "H" Marysville-Marion Rd., Union Co., to Bashford & Day, Peebles, $143,611; grading, etc., 4.368 mi. Sect. "A" and 5.475 mi. Sect. "E" Toledo-Grand Rapids Rd., Wood Co., to W. G. Reimund, Holgate, $30,595 and $35,759 respectively; grading and brick paving 1.203 mi. Sect. "I" Akron-Wooster Rd., Wayne Co., to Holmes Constr. Co., Wooster, $50,423; resurfacing Sects. "F-1" and "E-3" Bowling Green-Findlay Rd., Wood Co., and paving 3.127 mi. Sect. "E" Savannah-Vermillion Rd., Huron Co., both Kentucky rock asphalt, to J. W. McDowell, Ottawa, $19,486 and $30,655 respectively; concrete curbing 1 mi. Sect. "L" Bucyrus-Marion Rd., Crawford Co., to O. C. Morrow, Crestline, $4,577. Noted Sept. 20.

O., Canton—Paving with asphalt 0.5 mi. Troy Pl., N.W. 30 ft., and 0.5 mi. 17th St. N.W., 50 ft., to Burd Constr. Co., 1043 Spring Ave. N.E., $30,968 and $41,574 respectively. Engrs. est. $32,000 and $45,000 respectively.

O., Canton—Stark Co., improving .596 mi. Cleveland-Massillon Rd., 20 ft., brick, to W. E. Burke & Son, Akron, $77,671. Engrs. est. $70,699.

O., Elyria—Paving about 1 mi. North Ridge River Rd., 40 ft., brick, to Patterson Constr. Co., Lorain, $37,824. Engrs. est. $40,000.

O., Marion—Marion Co., grading and resurfacing 4.25 mi. Sects. A, B, C and D Richland Rd. 132 and portion of Columbus-Sandusky Rd. I. C. H. 4, to F. F. Walton & Co., Upper Sandusky, $26,323, engrs. est. $29,000, 2.85 mi. Sects. E and F Richland Rd. 132, to D. L. Brady, Marion, $25,340, $30,000, 26,987 yd. Sect. A. Caledonia Northern Rd., to Molloy and Seckel, Marion, $28,942, $30,000, all 20 ft., 5 in. macadam.

Michigan—State Hy. Dept., Lansing, grading and surfacing 9.8 mi. Federal Aid Project 105, Sect. A, Iron Co., to J. Long, Iron River, 1,637 cu.yd. excav. $0.70, 93,429 sq.yd. one course gravel Class A, $0.53, etc., total $66,051.

Wis., Milwaukee—Dept. Pub. Wks. paving etc., to Czerwinski Constr. Co., 378 16th Ave., 7,180 sq.yd. concrete, etc, American, Illinois, Indiana and 10th Aves. $32,480, 6,818 sq.ft. cement walks 2nd Ave, $2,216; to A. E. Retzlaff, 948 4th St., 3,412 sq.yd. concrete pavement, etc. Booth St., $12,717; to Badger Constr. Co., 97 Wisconsin St., 3,802 sq.yd. asphalt, etc. Clarke, Dakota and 46th Sts., $21,922, 4,024 sq.yd. asphaltic-concrete Vliet St., $8,264; to Schwerin Bros., 50 Lee St., 2,703 sq.yd. concrete in alleys $8,099; to J. Bluhm & Sons, 1298 Achilles St., 6,482 sq.yd. concrete, etc. alleys, $22,923. Noted Sept. 20.

Wis., Milwaukee—Paving, etc., 3,097 sq. yd. Delaware Ave. and Holton St., asphalt, to Badger Constr. Co., 97 Wisconsin St., $12,056; 1,439 sq.ft. cement walks West 24th St., to F. Schomann, 770 28th St., $681; 1,795 sq.yd. concrete in various alleys, to J. Bluhm & Sons, 1298 Achilles Pl., $5,058; 1,674 sq.yd. concrete in various alleys, to Bodeman Constr. Co., 691 48th St., $5,954; 1,481 sq.yd. concrete in alley, to Milwaukee General Constr. Co., 427 Mitchell St., Milwaukee, $4,512.

Ia., Oskaloosa—Grading, paving, curbing etc., to McCarthy Impvt. Co., 802 Kahl Bldg., Davenport, 7,121 sq.yd. pavement $2.84, 5,492 lin.ft. concrete curb and gutter $0.84, grading $0.70 per cu.yd. Noted Sept. 13.

Minnesota—State Hy. Dept., St. Paul, Sept. 26, 18 mi. State Project 6-39, Sect. 1, Federal Aid Project 332, 190,000 cu.yd. excav., Div. A, to M. Barrett, St. Cloud, $32,719, Div. B to S. Enebak, Warren, $29,788; 27 mi. State Project 4-27, Federal Aid Project 318, 344,000 cu.yd. excav., to D. Ryan, Marshall, $0.30 per cu.yd.; 13 mi. State Project 2-24, Federal Aid Project 129, 20,500 cu.yd. gravel surfacing to Stevens Bros., Piedmont Bldg., St. Paul, $46,580, 16 mi. State Project 23-22, Federal Aid Project 243, 18,700 cu.yd. gravel surfacing, to C. Beyer, Willmar, $21,790. Noted Sept. 6.

Minn., Le Sueur Center—Le Sueur Co., Job 2303, State Rd. 5, 80,105 cu.yd. earth, 1,857 cu.yd. loose rock and 2,348 cu.yd. solid rock excav., 194,978 cu.yd. overhaul etc., to J. Sampson, Faribault, $26,000; 245 cu.yd. concrete culverts to Northfield Iron Co., Northfield. Noted Sept. 6.

Kan., Coffeyville—Paving, etc., various streets involving 46,300 sq.yd. pavement, 25,356 lin.ft. combination curb and gutter, 18,000 cu.yd. earth excav., 3,425 lin.ft. 36 and 48 in. storm sewer, 4,182 lin.ft. 18-24 in salt glazed clay pipe, etc., to C. Stanton, 6th and Kiowa Sts., Leavenworth, $210,826 Engrs. est. $200,000.

Kan., Ft. Scott—Bourbon Co. concrete paving, curbing, guttering and grading Federal Aid Project 117, through Bronson, 9,427 lin.ft. concrete curb and gutter, 16,295 sq.yd. concrete, 4,940 cu.yd. earth excav., to Harrison Eng. Constr. Corp., Ellicott Sq., Buffalo, N. Y., $54,520. Noted Sept. 20.

South Dakota—State Hy. Dept., Pierre, improving roads **(F. A. P. 150 A, Fall River, means Federal Aid Project 150 Sect. A, Fall River Co.)** grading 4.29 mi. F. A. P. 150 A, Fall River to S. L. Smith, Henry, Neb., $50,403, 7.57 mi. F. A. P. 148 Dewey, to Stevens Bros., St. Paul, Minn., $37,000; rein.-con. bridges and culverts on F. A. P. 115 A, Minnehaha and F. A. P. 159, Fall River to H. Pickus Constr. Co., 309 Mass Bldg., Sioux City, Ia., $18,133 and $43,566 respectively, State Aid Project 79 Jackson, to E. B. Davis, Kadoka, $4,725, F. A. P. 148 Dewey to W. C. Lippert, Timber Lake, $6,086; graveling 9.85 mi. F. A. P. 126 Kingsbury and 13.1 mi. F. A. P. 61 A, Brule, to C. J. Wheelock, Pierre, $15,757 and $20,757, 22 mi. F. A. P. 16 and 154, Hughes and 16 mi. F. A. P. 156 Hughes and Hyde, to Wagner & Erling, Sioux Falls, $38,160 and $34,940 respectively; 13.57 mi. F. A. P. 65 Yankton, and 5.95 mi. F. A. P. 97 Clay to Stevens Bros., St. Paul, Minn., $26,990 and $10,681 respectively; 7.13 mi. F. A. P. 49, Pennington to Linton Bridge Constr. Co., Linton, $7,077, 13.27 mi. F. A. P. 88, A. Meade, to H. Pickus Constr. Co., 309 Mass Bldg., Sioux City, Ia., $25,349; 8 mi. F. A. P. 102 Lincoln, to C. H. Bierknes Constr. Co., Sioux Falls, $11,509; 13.77 mi. F. A. P. 115, Minnehaha, to Atkinson Paving Co. Brookings, $18,231; 12 mi. F. A. P. 153, Union to W. R. Larson, Sioux Falls, $47,049.

Mo., St. Louis—To Granite Bituminous Paving Co., Ry. Exch. Bldg., grading and surfacing with bitulithic on concrete, 8,775 sq.yd. California Ave., $47,273, 6,950 sq.yd. Thomas Ave., $41,003, 7,810 sq.yd. Dayton Ave., $46,017, 6,945 sq.yd. Dickson St., $42,702; to Brighton Contg. Co., 1115 McRee Ave., removing brick and resurfacing with refined asphalt 9,225 sq.yd. Hamilton St., $35,986; to W. Hoffner, 715 S. Seventh Vandeventer St., grading and surfacing with granite blocks 4,410 sq.yd. Madison St., $37,512. Noted Sept. 20.

Ark., Little Rock—Resurfacing various city park roads, 24,000 sq.yd. asphalt, to T. F. Conley Constr. Co., Little Rock. Engrs. est. $36,000.

Tex., Abilene—Bitulithic paving on black base, curbing and guttering 6 blocks Mulberry St., to West Texas Constr. Co., Cotton Exch. Bldg., Ft. Worth, $2.50 to exceed $25.000. Noted May 17.

Tex., Austin — Travis Co. grading and bridging 7.92 mi. State Highway 20 A, 24 ft., to H. J. Evans, 500 West 15th St., Austin, $39,619. Engrs. est. $38,473 incl. 10% for engineering and contingencies. Noted Sept. 20.

Tex., Corsicana—Paving, etc., 10,000 sq.yd. various streets 2½ in. brick on 4 in. concrete, asphalt filler, to Panhandle Constr. Co., Lubbock, $3.46.

Tex., Honey Grove—Concrete paving 1 mi. East Market St., 27 ft., to J. C. Field Co., Denison, $30,000. Noted Sept. 6.

Tex., Houston—Asphalt paving Waugh Dr., from Buffalo Bayou to Westheimer Rd., to Smith Bros., Sumpter Bldg., Dallas, $100,087. Noted Sept. 20.

Tex., Houston—Paving Bissonnet St. from Main to Graustark Sts., bituminous, $25,000 J. C. McVea, city engr.

Okla., Sapulpa—Grading and paving 12 blocks, 15,100 sq.yd. concrete, 6,800 lin.ft. curbing, 4,800 cu.yd. excav., to Klingensmith Constr. Co., Drumright, $62,535.

Okla., Sapulpa—Grading and paving with 6 in. concrete 10 blocks, to D. McMasters, Sapulpa, $59,502. Noted Sept. 13.

Colorado — State Hy. Dept., Denver, gravel surfacing 5.372 mi. Federal Aid Project 240, Eagle Co., to A. L. Hackett, Gypsum, $66,178, engrs. est. $67,377; gravel surfacing and bridging 0.377 mi. Federal Aid Project 241, Delta Co., to Winterburn & Lumsden, Grand Junction, $99,310, engrs. est. $118,490; grading and gravel surfacing 4.545 mi. Federal Aid Project 245A, Bent Co., to W. A. Colt & Son, Las Animas, $42,786, engrs. est. $44,911; mountain grading 5.621 mi. Federal Aid Project 224, Park Co., to M. J. Kenney, 512 Mack Blk., Denver, $54,347, engrs. est. $62,970; paving 2.463 mi. Federal Aid 252, Larimer Co., F. C. Dreher, Cooper Bldg., Denver, $84,677, engrs. est. $90,612; warrenite bitulithic paving 2.998 mi. Federal Aid Project 2-R, Las Animas Co., to Strang-Mackey Extension Co., Trinidad, $110,850, engrs. est. $104,618. Noted Sept. 20.

Nevada—State Hy. Dept., Carson City, to Strange & Vallandingham, Salt Lake City, Utah, grading, building culverts and surfacing with concrete, Project 81, between West city limits of Elko and 13th St., Elko 1-A, Contr. 88, $38,139; to Teslau Bros., Berkeley, Calif., grading and gravel surfacing, Project 4, 3 mi. north of Holbrook and 2 mi. north of Carters, Douglas 3-B, Contr. 89, $63,276.

Wash., Seattle — Bd. Pub. Wks., to Fiorito Bros., 3950 6th St. N.W., paving East 61st St. et al., 8,050 sq.yd. 6 in. concrete, 4,360 lin.ft. concrete and 635 lin.ft. asphaltic concrete curbing, 2,000 cu.yd. earth excav., $25,223, engrs. est. $24,806. 5th Ave. N.W. and 65th St., 8,340 sq.yd. 6 in. concrete, 3,830 lin.ft. concrete and 700 ft. asphaltic concrete curbing, $25,481, engrs. est. $25,145. Noted Sept. 27.

Calif., Arcata—Improving 7th, 9th and H Sts., etc., to Mercer-Fraser Co., Eureka, 81,870 sq.ft. grading at $0.035, 27,937 ft. 5 in. asphaltic concrete $0.225, 42,000 sq.ft. warrenite bitulithic on 4 in. asphaltic concrete $0.225, etc., total $27,000. Noted Sept. 27.

Calif., Eureka—To Mercer-Fraser Co., Eureka, improving H St., 476,556 sq.ft. grading, 476,556 sq.ft. 1½ in. warrenite bitulithic on 3½ in. asphaltic concrete, etc., and Fairfield St., 160,990 sq.ft. grading, 160,990 sq.ft. 1½ in. warrenite bitulithic on 2 in. asphaltic concrete, etc., $142,375 and $35,250 respectively. Noted Sept. 20.

Calif., Ft. Bragg—Improving Redwood and Laurel Sts., etc., 264,290 sq.ft. grading, 206,507 ft. 3½ in. asphaltic concrete, 57,783 sq.ft. 4½ in. asphaltic concrete, etc., to J. A. Costello, 1083 Shotwell St., San Francisco, $64,060. Noted Sept. 20.

Calif., Los Angeles—Grading, curbing and paving 5th St. between Beacon and Pacific Aves., to Griffith Co., Ry. Bldg., grading (lump sum) $140,000, 104,762 sq. ft. asphalt pavement $0.25, 10,467 sq.ft. cement concrete pavement $0.25, 197,487 sq.ft. bituminous base $0.24, 13,403 lin.ft. curb $0.70, 13,417 sq.ft. gutter $0.28, storm drains complete $31,500, sanitary sewers

Streets and Roads (Continued)

complete, $10,500, 5,817 ft. house sewers $1.50, etc., total approximately $285,000.

Calif., Los Angeles—Los Angeles Co., grading, curbing, paving, etc. Clayton Ave. between Mayview and Myra Sts., to W. D. McCray, Amer. Bank Bldg., grading (lump sum) $27,000, 189,484 sq.ft. concrete pavement $0.245, 17,525 ft. curb $0.65, storm drain $1,000, etc., total approximately $88,000.

Calif., Martinez—Contra Costa Co., improving Div. 36 of county highway system, 3,800 cu.yd. embankment, 2,090 cu.yd. concrete, to Galbraith & Janes, Yuba City, $34,065. Noted Sept. 20.

Calif., Marysville—Yuba Co. graveling 3.5 mi. Woodruff School Rd., to L. A. Williams, Marysville, $2.10 cu.yd. Noted Sept. 27.

Calif., San Diego—San Diego Co. to G. R. Daley, 4430 Boundary St., paving 224,287 sq.ft. Adams Ave. in Normal Heights, 4 in. decomposed granite foundation, 5 in. cement concrete base, 1½ in. Topeka top, $.314, total $74,367; to H. G. Feraud, Detwiler Bldg., Los Angeles, paving Edgemore Rd., Marlborough, Kensington and Terrace Drives, etc., 4 in. Willite, $74,500. Noted Sept. 27.

Calif., Stockton—San Joaquin Co., improving Lower Sacramento Rd., 1,000 cu. yd. grading, 300 ton gravel, 2,700 ton asphaltic concrete, etc., to Clark & Henery Constr. Co., 38 South Sutter St., $24,270. Noted Sept. 20.

Que., Montreal—Will build 12,012 ft. asphalt pavements, 30-81 ft., on St. George Etienne Cartier Sq., Duvenay, St. James, Darling and Notre Dame Sts., $232,380, 6,009 ft. concrete sidewalks, 5-13 ft., on Sir George Etienne Cartier Sq., St. Ambroise and St. James Sts., $43,696, by day labor. Noted Aug. 30.

Que., Montreal—To Quinlan, Robertson & Janin Ltd., 50 Notre Dame St. W., asphalt pavements on 3,100 sq.yd. Old Orchard Ave. and 13,940 sq.yd. Clarke St., $11,005 and $60,041 respectively; to Sicily Asphaltum Paving Co., 60 St. Viateur St., 7,785 sq.yd. Marquette, 2,700 sq.yd. Cuviller and 1,160 sq.yd. Hutchison Sts., $34,081, $16,626 and $8,409 respectively; to Duranceau & Duranceau, 127 Hamilton St., concrete sidewalks on 1,080 sq.yd. Moreau, 500 sq.yd. St. James and 1,200 sq.yd. Hamilton Sts., $5,778, $6,885 and $7,512 respectively.

Que., St. Lambert—Paving 14,000 sq.yd. asphalt road to Quinlan, Robertson & Janin, Ltd., 50 Notre Dame St. W., Montreal, $2.10 per sq.yd., total $29,400.

Industrial Works

PROPOSED WORK

Conn., Hartford—Hartford Floor Co., 218 State St., plans 5 story warehouse, brick and steel, plain foundation, Front St. $95,000. Engineer and architect not selected.

Conn., Manchester—Buck & Sheldon, archts. and engrs., 60 Prospect St., Hartford, making plans 3 story warehouse, brick, plain foundation, here. $80,000. Owners name withheld.

N. Y., Buffalo—H. Ford, Highland Park (Detroit P. O.), Mich., plans to purchase 40 acre site here for assembling plant. To exceed $500,000.

N. Y., North Tonawanda — Tonawanda Power Co., Sweeney Bldg., having plans prepared for supply station and transformer at River Rd. and Somer St. 50,000. F. S. Wahl, supt.

Pa., Pittsburgh—Comrs. Allegheny Co., Court House, having plans prepared 2 story and basement, 70 x 330 ft. workhouse at Parkview near here. $200,000. Private plans.

Pa., Pittsburgh—J. Eichleay Jr. Co., 45 South 20th St., having plans prepared 6 story and basement warehouse, South 20th and Wharton Sts. $700,000. Private plans.

Va., Graham—Bluestone Fur Mfg. Corp. plans 2 story, 70 x 270 ft. factory. $200,000. Private plans.

Va., Richmond—W. T. Rowliegh Co., c/o W. J. Treodlean, vice. pres., 101 Liberty Ave., Freeport, having plans prepared by J. P. and E. J. Law, 1st Central Bldg., Madison, Wis., 2 story, 80 x 165 ft., warehouse and garage, brick, rein.-con. and stone plain foundation, here. $150,000.

W. Va., Huntington—Emmons-Hawkins Hardware Co., 1028 3rd Ave., plans 6-8 story, 190 x 210 ft. warehouse and office, 7th Ave. and 5th St. Architect not selected.

N. C., Ashville—N. W. Gennett Lumber Co. acquired 6,000 acre timber land in Madison Co. and will build mill and 9 mi. logging road.

N. C., Charlotte — Pyramid Motor Co., 402 North Tryon St., plans 3 story, 70 x 200 ft. concrete and steel garage. $75,000. Architect not selected.

N. C., Winston-Salem—S. C. Park and others plan 2 story, 60 x 100 ft. mica mill. $75,000.

S. C., Spartanburg—Lockwood-Greene & Co., 24 Federal Bldg., Boston, Mass., having plans prepared by their Charlotte, N. C., office, (Piedmont Bldg.), 2 story and basement, 134 x 174 ft. cotton mill and 2 story, 60 x 80 ft. picker building, brick and timber, plain foundation, here, $100,000. Will probably do work by day labor.

Ala., Birmingham—St. Louis-San Francisco R.R. Co., St. Louis, Mo. plans 2 story, 90 x 400 ft., brick freight station, here. R. C. Stephens, St. Louis, Mo., archt.

La., Baton Rouge—City voted $45,000 bonds for abbatoirs. J. W. Billingsley, Interstate Bank Bldg., New Orleans, consult. engr.

Tenn., Pulaski — Amer. Cigar Co. soon takes bids factory. $50,000. Noted Aug. 16.

Ky., Lexington—University of Kentucky plans central heating plant for all University buildings. $250,000.

Ky., Louisville — Belknap Hardware & Mfg. Co., 2nd and Washington Sts., plans 8 story, 120 x 150 ft., rein.-con. warehouse, on river between 1st and 2nd Sts. $750,000.

Ky., Louisville—Louisville Petroleum Refining Co., Inter Southern Bldg., plans oil refinery, 2,500 bbl. capacity in West End. $300,000.

O., Bettes Corners (near Akron) — Anaconda Copper Mining Co., Akron, plans four 2 story factcory buildings, here. $500,000.

O., Cleveland—City c/o E. L. Myers, dir. Pub. Utilities, City Hall, plans brick, steel and concrete addition to light plant, etc., East 53rd St. $3,000,000. C. G. Beckwith, City Hall, engr.

O., Cleveland—Cleveland Electric Illuminating Co., Illuminating Bldg., plans generating plant addition, Avon Lake. $10,000,000. E. G. Cook, Illuminating Bldg., engr.

O., Cleveland — Fisher Bros. Co., 2323 Lakeside Ave., having preliminary plans prepared by W. S. Lougee, 500 Marshall Bldg., 2 story, brick, steel and concrete bakery, 2328 Lakeside Ave. $75,000.

O., Cleveland — Miller-Becker Co., 6411 Central Ave., had plans prepared by A. F. Janowitz, Standard Theatre Bldg., 2 story and basement, 60 x 128 ft., brick, steel and concrete garage, East 63rd St. and Central Ave. $60,000.

O., Galion—Galion Iron & Mfg. Co. plans 1 story, 50 x 160 ft. foundry. $50,000. A. Jones, Market Bldg., engr.

O., Steubenville—F. Scott having plans prepared by W. S. Ferguson Co., 1900 Euclid Ave., Cleveland, 2 story and basement, brick, steel and concrete garage and service station, here. $100,000.

Ind., Jeffersonville—Colgate & Co., 105 Hudson St., Jersey City, N. J., plans converting old Indiana Reformatory building into factory. $100,000.

Mich., Detroit—Columbia Motor Co., 6501 Mack Ave., having plans prepared 1 story, rein.-con., brick and steel addition to factory, plain foundation, Charlevoix Ave. $100,000. Private plans.

Wis., Delavan—A. Schumacher had plans prepared by H. C. Hengels, 445 Milwaukee St., Milwaukee, 2 story and basement, 36 x 68 ft. and 20 x 62 ft., brick and concrete garage, plain foundation. $50,000.

Wis., Elcho — C. W. Fish Lumber Co. plans to rebuild 2 story, factory, brick, plain foundation, recently destroyed by fire. $75,000. Engineer and architect not selected.

Wis., Elkhorn—G. A. Van Velzer, Williams Bay, plans 2 story and basement, garage and repair shop, brick, rein.-con. and stone plain foundation, Wisconsin St. $40,000. Engineer and architect not selected.

Wis., Madison—Madison Medical Assn., c/o R. S. Ingersoll, Lakeside St., plans 2 story, 45 x 100 ft., boiler house, laundry and garage, brick, rein.-con. and steel, plain foundation. $50,000. Engineer and architect not seleeted.

Wis., Markesan—W. Dehn, having plans prepared 1 story, 50 x 90 ft., garage and repair shop, brick and tile, plain foundation. $40,000. Private plans.

Wis., Milwaukee—Hoyer Eng. Co., 281 Grove St., plans 1 story, 60 x 100 ft. machine shop, brick and steel, plain foundation. $40,000. Engineer and architect not selected.

Wis., New Lisbon—F. J. Bunker plans 2 story, garage and repair shop, brick and rein.-con., plain foundation. $40,000. Engineer and architect not selected.

Wis., New London—Wisconsin Cabinet & Panel Co. having plans prepared 2 story, 90 x 250 ft., brick, rein.-con. and steel warehouse, plain foundation. $50,000. Private plans.

Wis., Spring Valley—Pierce Auto Co. having plans prepared by J. M. Katts, Spring Valley, 1 story and basement, 50 x 75 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation. $40,000.

Wis., Wauseka—Kickapoo River Power Co., c/o E. E. Dillon, engr., Washington Bldg., Madison, making plans brick and steel hydro-electric power plant and dam, transmission line and sub stations. $50,000.

Minn., Minneapolis—Franklin Co-operative Creamery Assn., 2108 Washington Ave. N., having plans prepared by C. B. Straus, 1043 Security Bldg., 2½ story 100 x 150 ft. barn, brick and concrete, 26th St. and 23rd Ave. S. $60,000.

Minn., St. Paul — Ford Motor Co., St. Paul, and Highland Park, Mich., having plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, Mich., and Stone & Webster, 147 Milk St., Boston, Mass., 1 story, 606 x 1726 automobile plant, brick and rein.-con., here.

Tex., Austin—State Bd. of Control, Austin, having plans prepared by C. H. Page & Bros., Austin Natl. Bank, brick and concrete warehouse. $60,000.

Tex., Dallas—V. Jacoby, c/o Felton & Morgan, 111 Field St. plans 2 story, brick warehouse, Elm and Market Sts. $40,000-$50,000. Engineer and architect not announced.

Tex., Ft. Worth—Percy Garrett Motor Co., 1107 Commerce St., making plans 2 story, brick and concrete garage, plain foundation. Engineer and architect not announced.

Tex., Jacksonville—Hall Fdry. & Machine Co. plans to rebuild brick and concrete foundry, recently destroyed by fire. $50,000. Engineer and architect not announced.

Calif., Cudahy—Zellerbach Paper Co., 220 South Los Angeles St., Los Angeles, plans paper mill, here. $1,000,000-$1,500,000.

Calif., Glendale — Rogers Una-Drive Truck Corp., Los Angeles, having plans prepared by Austin Co., archts., Bartlett Bldg., Los Angeles, 1 story, 70 x 390 ft., factory, Colorado St., here. $200,000.

Calif., Long Beach—Cooper Arms Apartments having plans prepared by Curlett & Beelman, 408 Union Bank Bldg., 3 story, 100 x 150 ft., brick garage, Ocean Ave. $150,000.

Calif., Los Angeles—E. M. Fowler, 628 Metropolitan Bldg., is head of company which is having plans prepared by M. H. Merrill & Co., archts., 50 State St., Boston, Mass., 400 x 800 ft., cotton mill, brick. Valley Blvd.

Calif., Los Angeles—Roth Cigar Co., 445 South Los Angeles St., had plans prepared by O. M. Warner, Stimson Bldg., 2 story garage, brick, 16th and Bonnie Brey St. $40,000.

Calif., Madera—Central California Ice Co., Mono and P Sts., plans ice plant on 50 x 100 ft. site, E St. $40,000.

Calif., Madera—A. J. Etter et al., 409 North D St., plans ice plant, capacity 15 tons daily, 4th and E Sts. $40,000.

Calif., National City—Atchison, Topeka & Santa Fe R.R. Co., 6th and Main Sts., Los Angeles, preparing plans for new creosoting plant, here. $100,000.

Calif., Oroville—See "Waterworks."

Calif., San Francisco—Western Pacific R.R., Mills Bldg., had plans prepared 1 story warehouse, concrete, Vermont and 15th Sts. To exceed $75,000. J. W. Williams, ch. engr.

Calif., San Pedro—L. J. Harris, 1939 Gaffney St., had plans prepared by A. G. Bailey, Junior Orpheum Bldg., Los Angeles, 1 story, 50 x 150 ft. garage, brick and concrete, 13th and San Pedro Sts., here.

Que., Montreal—R. H. Blumenthal and S. Hart, 4183 Sherbrooke St. W., plans 10 story, 85 x 171 ft. plant. Mayor St. $425,000. Engineer and architect not announced.

Ont., Walkerville — Berry Bros. Inc., Walker Rd., having plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., Detroit, Mich., 3 story and basement, 60 x 100 ft. rein.-con. and brick addition to factory, plain foundation, Walker Rd. $60,000.

BIDS DESIRED

N. Y., Astoria — Oct. 8, by Polachek Bronze & Iron Co., 480 Hancock St., rein.-con., brick and steel plant addition, plain foundation. $120,000. J. M. Berlinger, 469 7th Ave., New York City, archt. and engr.

N. J., Kearny (Arlington, P. O.)—Western Electric Co., 195 Bway., New York City, will build power plant and cable building, here. Work will be done by separate contracts under supervision of owners engineers, McKenzie, Voorhies & Gmelin, 342 Madison Ave., New York City, archts. Noted May 17.

Pa., Phila.—A. Kahn, archt., 1000 Marquette Bldg., Detroit, Mich., taking bids and opens same about Oct. 10, 1 story, 400 x 920 ft. brick and steel plant, plain foundation, 63rd St., here, for Ford Motor Co., Highland Park (Detroit, P. O.) Noted Aug. 30.

Pa., Phila.—C. W. Rudisill, c/o Nelson-Pedley Co., 1615 Spruce St., taking bids 2 story, 130 x 198 ft. rein.-con., brick and steel garage, plain foundation, 55th and Sansom Sts. $200,000. Private plans.

Industrial Works (Continued)

N. C., Andrews—Oct. 24, by Mayor and Aldermen, hydro-electric plant, transmission line, dam, etc. Ludlow Engineers, Winston-Salem, engrs.; adv. E.N.-R. Oct. 6.

O., Cleveland—R. C. Patton and R. T. Hisey, 536 Engineers Bldg., taking bids 1 story, 45 x 280 ft. garage, brick and steel, East 82nd St. and Crawford Rd. $60,000. L. Skolnik, 6th St. Clair Bldg., archt. Noted Sept. 27.

O., Mansfield—Natl. Ice Co. taking bids 1 story, 41 x 60 ft. plant, brick, steel and concrete. $40,000. A. C. Bishop & Co., 830 Guardian Bldg., Cleveland, archt.

Mich., Jackson—H. L. Mead, archt., Grand Rapids, taking bids and opens same about Oct. 5, 5 story and basement, 72 x 132 ft. brick and steel addition to factory, plain foundation, for Michigan Seating Co., Jackson.

Mich., River Rouge—Oct. 10, by A. Kahn, archt., 1000 Marquette Bldg., Detroit, 1 story, 94 x 1,320 ft., 100 x 420 ft., 100 x 620 ft. and 100 x 420 ft. rein.-con., brick and steel plant, for Ford Motor Co., Highland Park (Detroit P. O.) Noted June 21.

Ill., Chicago—L. G. Hallberg & Co., archts., 116 South Michigan Ave., receiving bids 4 story, 160 x 250 ft. factory addition, fireproof, Rockwell St., and Diversey Parkway, for Vassar Swiss Underwear Co., 2545 Diversey Parkway. $250,000.

Ill., Chicago—M. Leviton & Co., archts., 123 West Madison St., receiving bids 1 story, 125 x 127 ft. garage and store, fireproof, 921-35 North California Ave., for S. Skobel, c/o architects. $60,000.

Ill., Maywood—Ulrich & Esch, 815 North 2nd St., taking informal bids 1 story, 57 x 100 ft. garage, rein.-con., brick and stone, 5th St. $40,000. J. A. Chicar, 8 north 5th St., archt.

Wis., Milwaukee—Leiser & Holst, archts., 105 Wells St., taking bids and will open same about Oct. 8, 2 story and basement, 42 x 75 ft., rein.-con. and brick plant, plain foundation, Garfield Ave., for Milwaukee Boiled Ham Co., 901 Holton St. $50,000. Noted Aug. 2.

Minn., Bemidji—Oct. 13, by Blue Valley Creamery Co., 700 South Clinton St., Chicago, 2 story and basement, 60 x 128 ft. creamery, brick, steel and tile, here. $40,000. Fisher & Jackson, Bemidji, archts. and engrs.

Mo., St. Louis—N. B. Howard, Arcade Bldg., taking bids 2 story, 106 x 124 ft. steel and tile garage. $130,000.

Calif., Hollywood—R. H. Orr, archt., Corporation Bldg., Los Angeles, taking bids 2 story, 30 x 90 ft., concrete laundry, for Hollywood Hospital, 1322 North Vermont Street.

Calif., Los Angeles—Baldwin Motor Co., 1201 South Figueroa St., will build 4 story and basement, 75 x 200 ft. garage, rein.-con., South Figueroa St., by separate contracts under supervision of W. D. Lee, archt., Sun Bldg. Noted Sept. 13.

Calif., Los Angeles—L. R. Lurie, 315 Montgomery St., San Francisco, taking bids 2 story and basement, rein.-con., auto stage terminal, 6th and Los Angeles Sts. $200,000. Noted Sept. 13.

Calif., Oakland—Victor Talking Machine Co., Front and Cooper Sts., Camden, N. J., will build 1 and 2 story, brick and concrete factory, 78th Ave., here, by separate contracts under supervision W. Knoles, archt., Central Bank Bldg. Noted June 7.

Calif., San Francisco—D. A. Riedy, archt., Pacific Bldg., receiving bids 1 story, factory, rein.-con., 8th and Heron Sts., for M. J. Price, Flood Bldg., $45,000.

BIDS RECEIVED

Calif., San Francisco—Great Western Smelting and Refining Wks., 75 Folsom St., 1 story, 137 x 237 ft. foundry, steel, concrete and corrugated iron, Spear and Folsom Sts., general contract, from Hayes-Oser Co., Call Bldg., $50,000; steel work from Western Iron Wks., 141 Beale St. Noted Aug. 30.

CONTRACT AWARDED

Mass., Holyoke—Judd Paper Co., Race St., 3 story and basement, 90 x 100 ft brick and timber plant with concrete and steel boiler room and garage, Race St., to Casper Ranger Constr. Co., 20 Bond St. Archts. est. $125,000. Noted Apr. 26.

Conn., Hartford—Hanson Whitney Mfg. Co., 169 Bartholomew Ave., 2 story, 50 x 80 ft. factory, brick and steel, plain foundation Bartholomew Ave., to P. G. Bent Co., 118 Asylum St. Archts. est. $40,000.

Conn., New Britain—P. and F. Corbin Co., Park St., altering 3 story factory, brick, plain foundation, Park St., to W. H. Allen Co., Hungerford Court. Archts. est. $60,000.

Conn., New Haven—Connecticut Co., 22 Church St., 1 story, 68 x 208 ft. garage and machine shop, brick, concrete and steel, plain foundation, Grand Ave., to C. A. Sibley, Inc., 902 Chapel St. Archts. est. $60,000.

Conn., South Manchester — H. Stephens, 161 Center St., 1 story (ultimately 3 story) 60 x 90 ft. garage, brick, plain foundation, Center and Knox Sts., to G. W. Schiefer & Sons, South Manchester. Archts. est. $40,000. Noted Sept. 13.

Conn., Stamford—H. H. Noack, Forest St., 2 story, 40 x 125 ft. garage, brick and steel, plain foundation. East Main St., to Vuono Constr. Co., Bank Bldg. Archts. est. $60,000.

N. Y., Brooklyn—Kenmore Building Corp. c/o M. Courland, archt. and engr., 389 5th Ave., New York, will build 2 story garage, brick, steel and stone, Tillary St., here, by day labor. $50,000.

N. Y., Brooklyn—G. Merceca c/o C. P. Cannella, archt. and engr., 1163 Herkimer St., will build 1 story garage, brick, steel and stone, Norwood Ave., by day labor. $45,000.

N. Y., Brooklyn—C. Modica c/o T. Goldstone, archt. and engr., 50 Graham Ave., will build 1 story garage, brick, steel and stone, East 29th St., by day labor. $75,000.

N. Y., Buffalo—Amer. Lithographing Co., 571 Amherst St., 1 and 2 story, 340 x 400 ft., rein.-con. and brick plant, Amherst St., to Harding & Crea, White Bldg., to exceed $200,000. Noted Aug. 23.

N. Y., New York—H. Hoffman, c/o H. A. Koelble, archt. and engr., 114 East 28th St., 4 story garage, rein.-con., brick and steel, Mt. Eden Ave., to A. Niewenhous Inc., 412 8th Ave. Archts. est. $80,000.

Pa., Phila.—R. W. Hartnett Co., 1010 Race St., 3 story and basement, 49 x 93 ft. factory, 1025-1027 Cherry St., to Gill & Co., Otis Bldg., $50,000. Noted Aug. 30.

Pa., Johnstown—Penn Pub. Serv. Co., 535 Vine St., 2 story, 56 x 106 ft. garage, Find St., to Wilson Constr. Co., Johnstown Trust Bldg. Engrs. est. $70,000. Noted Aug. 30.

La., New Orleans—Front Realty Co., 623 South Front St., 2 story, 98 x 118 ft. brick warehouse, to L. F. Favret, Louisiana Bldg., $40,000. Letellier & Philips Paper Co., lessee.

La., Shreveport — W. H. Booth, c/o Jones, Roessel, Olschner & Weiner, archts., Ardis Bldg., 2 story, 80 x 294 ft. concrete and brick warehouse, Texas and Van Loan Sts., to W. H. Werner, Commercial Natl. Bank Bldg., $108,352.

Mich., Iron River—Peninsular Power Co., 102 North Carroll St., Madison, Wis., will build 1½ story, 48 x 142 ft. rein.-con., brick and steel warehouse, plain foundation, by day labor. $50,000. Mead & Seastone, Journal Bldg., Madison, engrs. Noted Aug. 30.

O., Cleveland—Hildebrant Provision Co., 3616 Clark Ave., 2 story and basement, 52 x 124 ft. factory, brick and steel, 3616 Clark Ave., to W. F. Thompson & Son Co., 5103 Euclid Ave. Archts. est. $80,000.

O., Cleveland — P. Matzinger, archt., Caxton Bldg., 1 story, 88 x 124 ft., brick and steel factory, 6600 Sideway Ave., to Murton Bros., 9710 Vineyard Ave., for Cleveland Refrigerator Co. Archts. est. $50,000. Noted Sept. 13.

Ind., Indianapolis — S. Binghams Sons Co., 2 story and basement, 50 x 200 ft. factory, fireproof, Alabama and Merrill Sts., to F. O. Johnson, 4856 Christiana Ave., Chicago. Archts. est. $100,000.

Ill., Chicago—Goss Printing Co., 1538 South Faulina St., 4 story, 92 x 100 ft. printing plant addition, fireproof, Wood and 15th Sts., to J. W. Snyder Co., 116 South Michigan Ave. Archts. est. $250,000. Noted Sept. 13.

Ill., Chicago—Madison Realty Co., 123 West Madison St., 1 story and balcony, 75 x 110 ft., auto sales and service station, rein.-con. brick and steel, 2482-86 Milwaukee St., to H. M. Zeman Building Co., 38 South Dearborn St. Archts. est. $100,000.

Ill., Chicago — Western Wet Wash Laundry Co., 337 North Austin St., 1 story, 80 x 150 ft. laundry, rein.-con., brick and steel, Lake St. near Long St., to Neslo, Wagstad, Carlson Co., 1743 North Crawford Ave. Archts. est. $50,000.

Wis., Arlington—Arlington Canning Co., subsidiary of Cambria Canning Co., Cambria, will build 2 story, 60 x 100 ft., factory and 2 story, 60 x 150 ft. warehouse, brick and timber, plain foundation, by day labor. $50,000. Private plans.

Wis., Denmark—Dufleck Bros. will build 2 story, 62 x 104 ft., brick and timber factory, plain foundation, by day labor. $50,000. W. E. Reynolds, Roosevelt St., Green Bay, archt.

Wis., Hartford—W. B. Place & Co. will build 3 story, 40 x 82 ft., brick and steel warehouse, plain foundation, by day labor, steel, to C. Hennecke Co., 1353 North Pierce St.; Milwaukee. Archts. est. $40,000.

Wis., Portage—E. Weinke, 2 story, 50 x 70 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation, to H. Kutzke, Portage. Archts. est. $40,000. Noted Aug. 16.

Wis., Milwaukee — Lemm Electric Co., 3324 Fond du Lac Ave., 2 story, 34 x 80 ft. battery service station, brick and concrete, plain foundation, to Brun Constr. Co., 387 Clinton St. Archts. est. $40,000.

Wis., Stratford—Stratford Canning Co., c/o F. J. Mielke, Ripon, will build 2 story, 48 x 100 ft. main building, 2 story, 60 x 128 ft. warehouse and 34 x 40 ft. power house, brick and timber, plain foundation, by day labor, here. $60,000. Private plans. Noted Sept. 27.

Minn., Minneapolis—Ralston Purina Co., 8th and Gratiot Sts., St. Louis, Mo., 5 story, 39 x 55 x 70 ft. warehouse, rein.-con., 3831-3837 Hiawatha Ave., here, general contract to Pike & Cook, 416 South 5th St. Total $40,000.

Mo., St. Louis—W. E. Rhodes, 715 Chestnut St. will build, 1 story and basement, 50 x 100 ft. rein.-con., brick and stone garage, Easton St., by day labor. $40,000. Rhodes & Clark, 6240 Delmar Blvd., archts.

Mo., St. Louis—Wabash Ry. Co., Ry. Exch. Bldg., addition to repair shop, 7th St., to T. B. Smith, Decatur, Ill. Engrs est. $175,000.

Ark., Osceola—Brown & Billings Co. will build 2 story, brick, stone, slow combustion type, ice plant, plain foundation, by day labor. $50,000. F. G. Proutt, Rand Bldg., Memphis, Tenn., engr. and archt.

Tex., Ft. Worth — Edrington Investment Co., 13th and Lamar Sts., 2 story, concrete garage, plain foundation, to Butcher & Sweeney, 806 Taylor St., $115,000.

Tex., Ft. Worth—Texas Steel Mills will build mill, South Hemphill St., by day labor. $80,000. J. F. Foster, supt. constr. and genl. mgr.

Wash., Seattle—Seattle Ice Cream Co., 4th and Atlantic Sts., 2 story, 120 x 186 ft. factory and office, rein.-con., 4th and Atlantic Sts., to Grant Smith Co., Henry Bldg., $150,000. Archts. est. $150,500.

Calif., Alhambra — Southern California Edison Co., 306 West 3rd St., Los Angeles, will build warehouse, shops, sheds, etc., here, by day labor and sub contracts. $500,000-$600,000. Private plans.

Calif., Fresno—Independent Paper Stock Co., 3035 Butler St., 1 story, hollow tile and concrete factory and warehouse, to K. E. Parker Co., Clunie Bldg., San Francisco, $40,000.

Calif., Los Angeles—California Milling Co., c/o Hamm & Grant, Inc., archts., Ferguson Bldg., will build 5 story mill and 2 warehouse, both rein.-con., 55th and Alameda Sts., by day labor. $150,000. Noted July 19.

Calif., Los Angeles—Gibson & Goodspeed, 2 story, 62 x 225 ft., rein.-con. garage, Selma Ave., to H. I. Edward Building Co., 6330 Hollywood Blvd., $50,000. Noted Oct. 4.

Calif., Los Angeles—Mission Candy Co., 1 and 2 story, 50 x 153 ft. factory, rein.-con., Santa Monica Blvd., to R. I. Edward Building Co., 6330 Hollywood Blvd., $60,000.

Calif., Los Angeles—Steel frame shed for Municipal Pier 1, to Austin Co., Bartlett Bldg. $88,500.

Calif., Modesto—W. D. Miller, 1016 G St., 1 story, 80 x 100 ft., auto service building, brick, 11th and G Sts., to Wieland & Wieland, 1002 H St., $40,000. Shaw Motor Co. lessee.

Calif., San Francisco—Otis Elevator Co., 2300 Stockton St., 2 story shop and office, rein.-con., Beach and Grant Aves., to P. J. Walker Co., Sharon Bldg., $350,000.

Calif., San Francisco—W. H. Sullivan, Inc., Alexander Bldg., 2 story, concrete warehouse and office, Bryant St. near 5th, to G. Wagner, 251 Kearney St. $40,000. Pennzoil Co., Monadnock Bldg., lessee.

Buildings

PROPOSED WORK

Conn., Bridgeport—Store—D. M. Read Co., 1102 Main St., having plans prepared by J. W. Norcross, 211 State St., 6 story brick and fireproof, Broad and John Sts. $1,000,000. Monks & Johnson, 99 Chauncy St., Boston, associated archts. Noted Aug. 2.

Buildings (Continued)

Conn., Hartford—Apartment—D. Marra, 27 Kilbourne St., having revised plans prepared by J. E. Marchetti, 721 Main St., 3 story, 60 x 190 ft., Retreat Ave. $175,000. Former bids rejected. Noted May 17.

Conn., Meriden — Hotel — Matis Hotel, Pratt St., having plans prepared by D. A. Guerriero, 1029 Main St., Hartford, 4 story, 50 x 90 ft., brick and steel, plain foundation, Pratt St. $150,000.

Conn., New Britain—Synagogue—Children of Israel, Inc., c/o J. Birnbaum, pres., 64 Grand St., plans 5 story, brick and steel, plain foundation. $150,000. Engineer and architect not selected.

N. Y., New York — Bank — Bank of Europe, 1429 1st Ave., soon lets contract 3 story, brick, steel and stone, 1stAve. $200,000. T. M. James Co., 342 Madison Ave., archts. and engrs.

N. Y., New York—Musical Art—J. A. Coles, c/o G. Nordham, archt. and engr., 18 West 34th St., soon takes bids 5 story, brick, steel, and stone, West 39th St. $300,000.

N. Y., New York—Office—Childs Co., 200 5th Ave., having plans prepared by Severance & Van Alen, archts. and engrs., 36 West 34th St., 12 story, brick, steel and stone, Bway. and 30th St $300,000.

N. Y., Rochester—Church and Office—Baptist Church Building Comn. plans 9 story church and office building. $2,000,000. C. Wunder, 12 Franklin St., pastor. C. Trayer, and Gordon & Kaelber, Sibley Blk., archts.

N. J., Clinton—High School—Bd. Educ. soon takes bids brick, steel and stone, plain foundation. $800,000. E. Sibley, Bluff Rd., Palisade, archt.

N. J., Orange—High School—Bd. Educ. soon takes bids brick, steel and stone, plain foundation. $800,000. E. Sibley, Bluff Rd., Palisade, archt.

Pa., Palmerton—High School—City plans new high school to be called Stephen S. Palmer High School. $300,000. New Jersey Zinc Co. of Pennsylvania will pay ½ of cost. Engineer and architect not announced.

W. Va., Huntington — Exchange and Office—Chesapeake & Potomac Telephone Co., 418 10th St., plans 3 story, 80 x 200 ft.

W. Va., Huntington—High School—Bd. Educ. soon takes bids Lincoln Jr. High School, 2 story and basement, 100 x 130 ft., brick, tile, stone and steel, 25th St. and 10th Ave. $150,000. R. M. Bates, Jr., 416 11th St., archt. Noted Aug. 30.

W. Va., Morgantown—Lodge—B.P.O.E. Lodge 411 having plans prepared by E. B. Lee, Chamber Commerce Bldg., Pittsburgh, Pa., 80 x 100 ft. $200,000.

N. C., Charlotte—Club and Office—Charlotte Elks Club, 306 West Trade St., having plans prepared by L. L. Hunter, archt., Kinney Bldg., 7 story, 62 x 200 ft., steel and concrete. $200,000.

N. C., Raleigh—High School—Will sell $300,000 bonds for High School on Benneham Sq. H. F. Strygley, supt.

S. C., Anderson—Office—F. I. Jones & Bros., Starr, plan 7 story, fireproof. $150,000. Casey & Fank, Anderson, archts.

Fla., Daytona—Business—F. N. Conrad and Associates plan 10 story, 79 x 300 ft., Beach St. $200,000. Engineer and architect not announced.

Ala., Tuscaloosa — Bank — Merchants Bank & Trust Co. having plans prepared by D. O. Whilldin, Tuscaloosa, 10 story, rein.-con., brick and steel, concrete foundation, Broad St. and Greensboro Ave. $350,000.

Tenn., Chattanooga—Theatre—Tennessee Enterprise Co., 719 Market St., having plans prepared by C. W. and G. L. Rapp, 190 North State St., Chicago, for theatre. $260,000.

Tenn., Memphis — Church — East End Christian Church had plans prepared by A. F. Hansen, McCall Bldg., 2 story, 136 x 190 ft., brick and stone, McLean and Peabody Sts. $150,000.

Tenn., Memphis — Hospital — Southern Methodists had plans prepared (1st unit) new hospital, Union and Eastmoreland Sts. $300,000. W. F. Schulz, Chamber Commerce Bldg., engr.

Tenn., Memphis—Hotel—H. S. Adler having plans prepared by Hanker & Cairns, Scimitar Bldg., 6 story, on Linden Ave. $250,000.

Tenn., Nashvile — Apartment-Hotel — Prickett & Thomas, Stahlman Bldg., plan 7 story, 50 x 150 ft., 7th and Cedar Sts. $150,000.

Tenn., Nashville — College — Methodist Episcopal Convention, Lambuth Bldg., raising $500,000 for Scaritt College. Engineer or architect not selected.

Ky., Frankfort—High School—Bd. Educ. plans new high school. $150,000. F. L. Packard, Hayden Bldg., Columbus, O., archt.

Ky., Louisville—Club—Pendennis Club, 324 Walnut St., having plans prepared by B. B. Davis, Archt., Norton Bldg., 2 story addition incl. laundry. $150,000. Noted April 12.

O., Celina—High School—City election in November to vote on $150,000 bonds for high school. Engineer and architect not announced.

O., Cleveland—Apartment—J. Dolinsky, 2210 East 69th St., having plans prepared by M. Altschuld, 5116 Woodland Ave., 3 story and basement, brick and timber, Hampshire Rd. $150,000.

O., Cleveland—Apartment—J. Goldman and A. Wasserman, 11108 Kinsman Rd., had plans prepared 4 story, 46 x 138 ft., brick and timber, Euclid Ave. near East 40th St. $250,000. Private plans.

O., Cleveland—Apartment—S. Koslen, 1077 East 97th St., having plans prepared by M. Weis, 617 Union Bldg., 3 story and basement, on lot 65 x 200 ft., brick and steel, Crawford Rd. $200,000.

O., Cleveland—Commercial and Apartment—H. Caplan, 3264 East 123rd St., having plans prepared by M. Weis, 617 Union Bldg., 2 story and basement, brick and timber, Coventry and Hampshire Rds. $150,000.

O., Cleveland—Commercial—Private Investment Co., c/o S. Miller of Independent Towel Supply Co., 1822 Central Ave., having plans prepared by Christian, Schwarzenberg & Gaede, 1900 Euclid Ave., 2 story and basement, brick, steel and concrete, 1841 Prospect Ave. $200,000. Noted Sept. 6.

O., East Cleveland (Cleveland P. O.)—Apartment—L. Duchon, 3045 Essex Rd., Cleveland, having plans prepared by A. F. Janowitz, 811 Prospect Ave., Cleveland, 4 story and basement, 65 x 165 ft., brick, Superior and Belmar Rds., here. $250,000.

O., Warren—High School—Election in November to vote on $900,000 bonds for high school, Elm and Atlantic Sts. Engineer and architect not announced. Noted Sept. 13.

O., Youngstown — Club — St. Brendons Parish, West Side, plans 100 x 300 ft. club. $200,000. R. A. Souse, 1693 Mahoning Ave., secy. Architect not announced.

O., Zanesville—Church—St. John's Evangelical Lutheran Church, c/o W. L. Dowler, pastor, Cleveland, having preliminary plans prepared by J. W. C. Corbusier, B. F. Keith Bldg., Cleveland, 1 and 2 story, brick, steel and stone, here. $150,000.

Mich., Detroit—Theatre—Imperial Theatre Co., c/o C. W. Brandt, archt., 1114 Kresge Bldg., having plans prepared 2 story, 140 x 160 ft. rein.-con., steel and brick, foundation, Gratiot and May Aves. $150,000.

Ill., Belleville—High School—School Bd. plans 2 story and basement, rein.-con., brick and stone annex to Belleville Twp. High School, Rock Rd., here. $160,000. Architect not selected.

Ill., Chicago—Apartment—M. Holpuch, c/o R. Huszagh, archt., 72 West Washington St., plans three 3 story, 330 x 600 ft. (total dimensions), fireproof, Drexel Ave. from 52nd to 53rd Sts. $2,000,000.

Ill., Chicago—Apartment-Hotel—Flanders Apartment Hotel Corp., c/o A. S. Hecht, archt., 155 North Clark St., plans 146 x 275 ft., fireproof, Bway. and Buena St. $2,000,000.

Ill., Chicago—Hospital—Lakeside Hospital, 3410 Rhodes St., plans 4 and 5 story and basement, rein.-con., brick and steel, Rhodes and 34th St. $200,000. Hall, Lawrence, Rippel & Ratchcliffe, 123 West Madison St., archts.

Ill., Maywood—Apartment, Office and Store—H. H. Block, 8 North 5th St., having preliminary plans prepared by J. A. Chicaro, 8 North 5th St., 3 story and basement, 79 x 122 ft., rein.-con., brick and stone, 9th St. $175,000.

Wis., Appleton — Church and Sunday School—First Methodist Congregation, c/o J. Holmes, pastor, 737 Lawrence St., had plans prepared by Childs & Smith, 64 East Van Buren St., Chicago, 2 story and basement, stone and concrete, plain foundation. $250,000.

Wis., Berlin—Grade School—School Bd. having plans prepared by Ashby, Ashby & Schulze, archts., 1511 West Jackson Blvd., Chicago, 2 story and basement, 100 x 142 ft., brick, tile and concrete, plain foundation. Noted July 26.

Wis., Marinette—Store—Lauermann Bros. Co., Dunlap Sq., having plans prepared by D. Hubert, Spies Bldg., Menominee, Mich., 3 story and basement, 60 x 120 ft., brick and concrete addition, plain foundation. $150,000.

Wis., Milwaukee—University—University of Wisconsin, Madison, having plans prepared by A. Peabody, Capitol, Madison, 4 story, brick, rein.-con. and steel addition, plain foundation, here. $150,000.

Wis., River Falls—School—Bd. Educ. having plans prepared by Jacobson & Jacobson, 125 Auditorium Bldg., Minneapolis, Minn., 3 story and basement, rein.-con., brick, tile and stone. $150,000.

Ia., Ft. Dodge—Hospital—St. Josephs Mercy Hospital having plans prepared by W. Steele, 502 United Bank Bldg., Sioux City, for hospital addition, here. $150,000. Noted Apr. 5.

Minn., St. Paul—School—Summit School, 655 Holly Ave., having plans prepared by C. H. Johnston, 715 Capital Bank Bldg., 2 story and basement, rein.-con., brick and tile, Holly Ave. and Dunlap St. $175,000.

Kan., Chanute—Memorial, etc.—City having preliminary plans prepared 2 story and basement, auditorium and memorial, brick, concrete and stone, plain foundation. $200,000. Private plans.

Kan., Ottawa—High School—Oct. 30, to vote on $250,000 bonds, brick, rein.-con. and stone. Private plans.

Kan. Emporia—High School—Bd. Educ. having preliminary plans prepared by J. H. Felt & Co., 800 Grand Ave. Temple, Kansas City, 2 story and basement, rein.-con., brick, stone and tile. $175,000.

Kan., Hutchinson—Grade and High School—Bd. Educ. takes bids about Nov. 2, 2 story, 122 x 156 ft., grade school, also 60 x 110 ft. addition to Sherman Junior High School, both rein.-con. and brick, plain foundation. $150,000. Smith & English, Hutchinson, archts. for former. Mann & Gerow, Hutchinson, archts. for latter.

Neb., Columbus—High School—Election soon to vote on $400,000 bond issue for high school. Architect not selected.

Mo., St. Louis—Office—Grand-Franklin Realty Co., Grand and Franklin Aves., having preliminary plans prepared by C. W. Martin, archt. and engr., Syndicate Trust Bldg., 10 story and basement, 103 x 170 ft. rein.-con., brick, steel and stone, Grand Blvd. $750,000.

Mo., Sedalia—High School—Bd. Educ. taking bids 3 story, 185 x 190 ft. rein.-con., brick and stone. $375,000. T. W. Bast, Sedalia, archt. W. B. Ittner, 911 Locust St., St. Louis, associated archt. Noted Aug. 16.

Tex., Dallas — School — M. B. Bogarte, Swiss and Peake Sts., plans preparatory school. $150,000. Engineer and architect not selected.

Tex., Medina Lake—Hotel and Clubhouse—Seutter & Simons, archts., Moore Bldg., San Antonio, preparing plans 2 story, stone and rein.-con., concrete pile foundation, here. $150,000. Owner's name withheld.

Okla., Claremore—Sanitarium and Bath House—Claremore Bath & Sanitarium Co. having plans prepared by H. C. Swechbe, archt., Claremore, 3 story, 120 x 140 ft., brick and concrete, plain foundation, Sequoyah St. $200,000.

Wash., Seattle—Apartment—H. H. Riley, archt., Arcade Bldg., takes bids about Nov. 24. 10 story, 52 x 108 ft., rein.-con. and steel, 4th and Blanchard Sts., for Wolverton Hotel Holding Corp., Arcade Bldg. $400,000.

Wash., Seattle—Lodge—Fraternal Order of Eagles, Lodge 1, 7th and Pine Sts., having plans prepared by H. Bittman, Securities Bldg., and takes bids early in January, 3 story, 120 x 175 ft., concrete, steel and terra cotta. $1,000,000.

Wash., Seattle—Medical—Metropolitan Bldg. Co., Henry Bldg., having plans prepared by Howells & Albertson, Henry Bldg., 6 story, concrete, brick and steel, 4th and Seneca Sts. $1,250,000.

Wash., Tacoma—Schools—Election Oct. 18, to vote on $2,400,000 school bonds. Former issued invalidated by Supreme Court decision. Noted May 31.

Calif., Berkeley — Hall — B. Maybeck, archt., Lick Bldg., San Francisco, receiving preliminary estimates on rein.-con. and stone, on campus of University of California, here. $300,000.

Calif., Catalina—Hospital—H. Gross, 936 South Alvarado St., Los Angeles, head of syndicate which plans hospital, fireproof, on Catalina Island. To exceed $850,000.

Calif., Covina—Schools—Covina Union High School Dist. to vote on $200,000 bonds for high school buildings.

Buildings (Continued)

Calif., Los Angeles—Apartment—A. C. Blumenthal et al, Loew State Bldg., having plans prepared by K. MacDonald, Brack-Shops Bldg., 12 story, 115 x 200 ft rein.-con., Hollywood Blvd. Noted June 28.

Calif., Los Angeles — Apartment — Hilliard Bros. c/o J. H. Roberts, archt., Marine Bank Bldg., Long Beach, having plans prepared 5 story and basement, brick and steel, West 3rd St., to exceed $150,000.

Calif., Los Angeles—Hotel—W. W. Paden, et al, Story Bldg., having plans prepared by L. L. Smith, Byrne Bldg., approximately 12 story and basement, rein.-con., South Main St. To exceed $750,000.

Calif., Los Angeles—Bank and Office—Guaranty Building and Loan Assn., 6364 Hollywood Blvd., having plans prepared by J. C. Austin, Detwiler Bldg., 13 story, 75 x 150 ft., bank and office building, Hollywood Blvd. and Ivar St.

Calif., Los Angeles—Bank and Office—Hellman Commercial Trust and Savings Bank, 601 South Main St., having plans prepared by Schultze & Weaver, Pacific Mutual Bldg., 12 story, 75 x 150 ft., steel and concrete, Hollywood Blvd.

Calif., Los Angeles—Church—A. C. Martin, archt., Higgins Bldg., receiving bids rein.-con. and brick church, Adams and Figueroa Sts., for St. Vincents Church. 1887 South Grand Ave. To exceed $200,000. Noted Aug. 23.

Calif., Los Angeles—Hotel—L. L. Jones, archt., Grosse Bldg., receiving bids 4 story and basement, 50 x 165 ft., brick, West 10th St., for A. Thomas, c/o archt.

Calif., Los Angeles — Office — Insurance Exchange Building Co. having plans prepared by Curlett & Beelman, archts., Union Bank Bldg., 13 story and basement, 90 x 160 ft., rein.-con. and steel, 9th and Olive Sts. $1,000,000.

Calif., Los Angeles—Office—Local capitalists having plans prepared by Neher & Hasenberger, archts., 209 Marsh-Strong Bldg., 13 story, 100 x 155 ft., brick and stone, 823 South Spring St. $1,050,000.

Calif., Los Angeles—Office and Bank—Hellman Trust and Savings Bank having plans prepared by Schultze & Weaver, Pacific Mutual Bldg., 12 story, 57 x 150 ft., rein.-con. and steel, Hollywood Blvd. and Cherokee Ave. [illegible],000,000.

Calif., Los Angeles—Office and Salesroom—A. C. Blumenthal, et al., Loew State Bldg., having plans prepared by K. MacDonald, Brack-Shops Bldg., 14 story and basement, rein.-con., Bway. near 9th St. To exceed $500,000.

Calif., Los Angeles—Store—Platt Music Co., 622 South Bway., having plans prepared by Milwaukee Building Co., Wright-Callendar Bldg. 8 story fireproof, Hollywood Blvd., to exceed $300,000.

Calif., Los Angeles—Store and Apartment—Interests represented by E. Grupp, 1614 Hudson St., plan 6 story, Hollywood Blvd. $250,000.

Calif., Los Angeles—Store and Apartment—Serranon Realty Syndicate, c/o F. F. Rasche, archt., 5652 Hollywood Blvd., having plans prepared, 4 story, brick, Santa Monica Blvd. $150,000.

Calif., Los Angeles—Store and Loft—A. C. Blumenthal, et al., Loew State Bldg., having plans prepared by K. Macdonald, Brack-Shops Bldg., 9 story and basement, 100 x 150 ft., rein.-con., Bway. $500,000. Western Costume Co., 1200 West 8th St., lessee. Noted Aug. 16.

Calif., Los Angeles—Store and Loft—R. Wurlitzer Co., 605 West 7th St., having plans prepared by Walker & Eisen, Pacific Finance Bldg., 12 story and basement, rein.-con. and steel, Bway. near 8th St., to exceed $800,000.

Calif., Los Angeles—Store and Office—Cahn-McCabe & Co., 716 South Spring St., having plans prepared by Norton & Wallis, Pacific Finance Bldg., 13 story and basement, 60 x 150 ft., brick and steel, 7th and Spring Sts.

Calif., Riverside—Studio—Moving Picture Interests, in which M. P. Waite, Story Bldg., Los Angeles, is interested, plan complete motion picture studio. $1,000,000.

Calif., San Jose—Lodge—C. Werner, archt., Santa Fe Bldg., San Francisco, receiving bids 2 story and basement, rein.-con., 3rd and James Sts., here, for Scottish Rite Temple Assn. of San Jose. $200,000.

Calif., Santa Monica — Schools — Junior High School Dist. having plans prepared by Allison & Allison, Hibernian Bldg., Los Angeles, manual arts and domestic arts buildings, auditorium, etc. $200,000. Noted Aug. 30.

Ont., London—City Hall—City takes bids about Oct. 15, 2 story and basement, 100 x 300 ft. rein.-con., steel and stone, Dundas St. $600,000. W. S. Pavey, Standard Bank Bldg., archt.

BIDS DESIRED

Conn., New London — Business — C. H. Klinck, 219 Bank St., receiving bids and opens same about Oct. 6, 3 story, 70 x 80 ft., brick and steel, plain foundation, Bank St. $150,000. Bilderbeck & Langdon, Inc., Barrows Bldg., archts. Noted May 31.

N. Y., Brooklyn—Schools—Oct. 16, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., P. S. 210, Rochester Ave. from Park to Prospect Places; P. S. 205, 20th Ave. from 67th to 68th Sts. Noted April 5.

N. Y., New York — Apartment — A. Campagna, 200 West 72nd St., will build 15 story, Riverside Dr. and 89th St. $5,000,000. Work will be done by separate contracts. R. Candela, 200 West 72nd St., archt. and engr.

N. Y., New York—Arsenal—Oct. 11, by Park Bd., Municipal Bldg., general contract for altering arsenal in Central Park, near 5th Ave. opposite East 64th St. F. D. Gallatin, pres.

N. Y., West Haverstraw—Solaria—Oct. 10, by G. Blagden, pres. Bd. Managers, New York State Orthopedic Hospital for Children, construction, heating, sanitary and electric work, for completion of Quadrangle Solaria at hospital, here. S. W. Jones, Albany, state archt.; adv. E. N.-R. Oct. 4.

N. J., Clifton—High School—Oct. 17, by Bd. Educ., 4 story, brick, marble and concrete, Main Ave., $525,000. D. W. Ganly, secy. Lee & Hewitt, 152 Market St., Paterson, archts. and engrs. Noted Aug. 9.

N. J., Leonia—School—Oct. 16, by Bd. Educ., brick, steel and stone, plain foundation. $200,000. E. Sibley, Bluff Rd., Palisade, archt. Noted Feb. 8.

N. J., Madison—High School—Oct. 23, by Bd. Educ., 60 x 280 ft., brick, steel and stone, plain foundation. $250,000. Guilbert & Bettelle, 2 Lombardy St., Newark, archts. and engrs.

N. J., Montclair—Schools—Oct. 16, by Bd. Educ. additions to Mt. Hebron and Glenfield Public Schools. Starrett & Van Vleck, 8 West 40th St., New York City, archts. Noted Sept. 20.

Pa., Johnstown—School—Oct. 22, by W. C. Wehn, secy. School Dist., Swank Bldg., 3 story and basement, 90 x 120 ft. concrete, brick and steel, Hudson St. $150,000. J. E. Adams, Nemo Bldg., archt. Noted Sept. 6.

Pa., Phila. — Bank — Oct. 8, by Chelten Trust Co., 5614 Germantown Ave., 2 story and basement, 33 x 72 ft. brick and steel, plain foundation, Broad and Louden Sts. $150,000. Harris & Richards, Drexel Bldg., archts.

W. Va., Maggie—Hospital—Nov. 30, by State Bd. Control, Charleston, 3 story and basement, 45 x 201 ft. concrete and brick, here. P. A. Davis, 3rd and Dunlap St., Phila., archt.

O., Cleveland—Apartment—Rothenberg & Bralosky, 2388 Ontario St., taking bids 3 story and basement, 52 x 130 ft., brick and timber, Cornell Rd. $150,000. M. Weis, 617 Union Bldg., archt.

O., Cleveland — Commercial and Apartments—L. H. Katz, Republic Bldg., taking bids and opens same about Oct. 12, 4 story, 88 x 165 ft., brick and timber, Taylor Rd. and Euclid Ave. $200,000. A. F. Janowitz, Standard Theatre Bldg., archt.

O., Lakewood (Cleveland P. O.)—High School—Oct. 13, by Bd. Educ., 1456 Warren Rd., 2 story, 27 room, brick, steel and concrete, Hilliard Rd. $430,000. C. W. Hopkinson, Rose Bldg., Cleveland, archt.

Ind., Indianapolis—Schools—Oct. 8, by Bd. School Comrs., 150 North Meridian St., Schools 23, 30 and 76, $98,380, $130,964 and $232,021 respectively. Bass, Knowlton & Co., 312 North Meridian St., E. E. Dunlap, 11th and Delaware Sts., and C. H. Byfield, 923 Peoples Bank Bldg., archts. on respective schools.

Ind., Indianapolis—Schools—Oct. 15, by Bd. School Comrs., 150 North Meridian St., Schools 38 and 67, $182,352 and $207,964 respectively. E. E. Dunlap, 11th and Delaware Sts., and Kopf & Woolling, 403 Pythian Bldg., archts. on respective schools.

Mich., Ann Arbor—School—Oct. 23, by Bd. Educ., 3 story and basement, rein.-con., brick and steel, plain foundation, Lincoln Ave. $200,000. Dahl-Stedman Co., Lumber Exch. Bldg., Chicago, archt.

Mich., Springwells—School—Oct. 18, by F. Oehmke, secy. Bd. Educ., 2 story and basement, 86 x 160 ft. rein.-con., brick and steel, plain foundation, Warren and Blesser Aves. $170,000. H. J. Keough, [illegible]19 Cass Ave., Detroit, engr. Noted S[illegible] 13.

Ill., Chicago—Apartment—A[illegible] Kleaver, archt., 220 South Michigan A[illegible] receiving bids 3 story, 75 x 125 ft., rein.-con., brick and steel, Kedzie and Sunny[illegible] Sts., for A. and E. Newman, c/o archit[illegible] $150,000.

Ill., Chicago—Apartment—G[illegible] Prassas, 111 West Washington St., rec[illegible]ing bids 3 story, 90 x 125 ft., fireproof, [illegible]Melrose St. near Campbell St. $150,000. [illegible] Jensen, 4815 North Crawford St., archt.

Ill., Chicago—Apartment—W. M. Tannenbaum, c/o Leichenko & Esser, archts., 2[illegible] South Dearborn St., receiving bids 3 story, 116 x 169 ft., fireproof, Park Ave. near Garfield Park. $250,000. M. Leviton & Co., 123 West Madison St., associated archts.

Ill., Chicago—Store, Office, Apartment—M. Leviton & Co., archts., 123 West Madison St., receiving bids 3 story, 100 x 140 ft., fireproof, Madison and Kenard Sts., for W. Zucker, c/o architects. $200,000.

Ill., Evanston—Apartment—H. Robinson, 3648 West Polk St., Chicago, receiving bids 3 story and basement, 100 x 180 ft., rein.-con., brick and steel, Forest Ave., near Main St., here. $200,000. R. F. France, 155 North Clark St., Chicago, archt.

Ia., Dubuque—Koenigsberg & Weisfeld, archts., 155 North Clark St., Chicago, receiving bids 3 story, 100 x 163 ft., auto sales and service building, rein.-con., brick and steel, here, for Balsky Motor Co., 6th and Iowa Sts., $200,000.

Kan., St. Francis—Court House—Oct. 23, by Cheyenne Co., 3 story and basement, 60 x 110 ft., brick, rein.-con. and stone, plain foundation. $150,000. T. W. Williamson, 312 Central Natl. Bank, Topeka, archt.

Mo., Nevada—High School—Oct. 15, by C. A. Smith, archt., 602 Finance Bldg., Kansas City, 3 story and basement, 64 x 124 ft. rein.-con., brick and stone, for Bd. Educ., to exceed $150,000.

Tex., Ft. Worth—Dormitory—Oct. 12, by Masonic Orphans Home, c/o H. M. Greene Co., archts., North Texas Bldg., Dallas, brick, concrete and stone, plain foundation. $175,000. Noted July 26.

BIDS RECEIVED

Conn., Hamden—Town Hall—Town, 2 story, brick, stone and steel, plain foundation, Dixwell Ave., from M. J. Gibbud Co., 100 Water St., New Haven, $175,480. Archts. est. $160,000.

N. Y., New York—Hospital—B. S. Coler, comr. Dept. Pub. Welfare, Municipal Bldg. Sept. 28, general contract and electrical work reparing and altering west wing and west toilet tower, main building, Metropolitan Hospital, Welfare Island, from Lever Constr. Co., Inc., 132 West 43rd St. $124,869. Noted Sept. 20.

Minn., Winona—School—State Bd. Control, St. Paul, Sept. 25, 3 story and basement, 200 x 210 ft. school with power plant basement, rein.-con., brick and tile at State Teachers College, here, from I. N. Salyers, Estherville, Ia., $430,507. Noted Sept. 27.

Tex., Arlington — Home — Eastern Star Lodge, 3 story, rein.-con., steel, brick, tile and marble, concrete pile foundation, from Christman & Nesbit, Dallas, $169,999. Noted Sept. 13.

Calif., Los Angeles—School—Bd. Educ., 3 story, rein.-con., 16th St., general contract from Macdonald & Kahn, Douglas Bldg., $244,076; heating from L. Z. Brown, 4320 Melrose Ave., $37,917. Noted Aug. 30.

CONTRACTS AWARDED

Mass., Allston (Boston P. O.)—Apartment—J. S. McLean, 160 Allston St., 3 story, 89 x 181 ft., brick and steel, plain foundation, Commonwealth Ave., to Capobianco Constr. Co., 46 Cornhill, Boston. Archts. est. $150,000.

Mass., Springfield—Temple—McClintock & Craig, archts., 33 Lyman St., 4 story, 180 x 300 ft., brick and steel, to A. E. Stephens Co. 145 State St., for Springfield Masonic Assn., State and Main Sts. $1,000,000. Noted July 26.

Conn., Hartford—Church—Church of St. Ann, 50 x 150 ft., brick and terra cotta, plain foundation, Park St., to Hayes Constr. Co., Court St., New Britain. Archts. est. $165,000. Noted Aug. 30.

Conn., New Haven—Parish House—Trinity Church Parish, c/o C. S. Palmer archt., 114 Whitney Ave., 3 story and basement, 150 x 200 ft., brick, stone and steel, plain foundation, Church and Wall Sts., to Dwight Constr. Co., 69 Church St. Archts. est. $350,000. Noted Mar. 22.

N. Y., Buffalo—Office—Tri-State Realty Co., Bramson Bldg., Main and Eagle Sts., converting old Iroquois Hotel, Main St.

Buildings (Continued)

into office building, to Miller Land Co., Main and Eagle Sts., to exceed $300,000.

N. Y., Kew Gardens (Jamaica P. O.)—School—Bd. Educ., 500 Park Ave., New York, P. S. 99, Kew Gardens Rd. from 82nd to 83rd Aves., here, to G. F. Driscoll, 115 Schermerhorn St., Brooklyn, $364,990. Noted Aug. 16.

N. Y., New York—Apartment—Finkelstein & Schwartz, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 6 story, brick, steel and stone, Pinehurst Ave. and 176th St., by day labor. $175,000.

N. Y., New York—Apartment—Lozner & Padula Inc., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, brick, steel and stone, Andrews Ave., by day labor. $300,000.

N. Y., New York—High School—Bd. Educ., 500 Park Ave., James Monroe High School, Boynton Ave. and 172nd St., to Willetts Constr. Co., 280 Madison Ave., Proposal A, $2,057,000. Noted Sept. 13.

N. Y., New York—Home—Hebrew Orphan Asylum, Amsterdam Ave., alterations to existing building and new addition, to H. H. Oddie Inc., 130 East 44th St. Archts. est. $300,000.

N. Y., New York—Loft—Rathmuk Realty Co., c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., will build 20 story, 100 x 150 ft., brick, steel and stone, 8th Ave., by day labor. $2,500,000.

N. Y., New York—Loft—J. Tishman & Sons, 280 Madison Ave., will build 14 story, brick, steel and stone, West 39th St., by day labor. $700,000. Schwartz & Gross, 347 5th Ave., archts.

N. Y., New York—Theatre—Orpheum Theatre Circuit, Palace Theatre Bldg., 1564 Bway., 3 story, 100 x 140 ft., brick, steel and stone, 302 West 45th St., to H. H. Oddie, Inc., 130 East 44th St. Archts. est. $400,000.

N. Y., Richmond Hill—School—Bd. Educ., 500 Park Ave., New York, P. S. 108, brick, steel and stone, Suwanee Ave. and 108th St., here, to P. Cleary, 115 Marion St., Brooklyn, Proposal A, $879,300. Noted Sept. 27.

Pa., St. Clair—Bank and Office—St. Clair State Bank, 3 story and basement, here, to G. H. Keefer, Mt. Carmel, cost plus basis. Archts. est. $150,000.

Pa., Pittsburgh — Apartment — Terrace Court Apartment Co., three 3 story and basement, 200 x 210 ft., Shady and Douglas Sts., to H. Miller & Sons, 2565 5th Ave. Archts. est. $300,000. Noted Sept. 20.

Pa., Ridgeway—High School—Bd. Educ., 2 story, part basement, 61 x 152 ft., to Hyde Murphy Co., Ridgeway. Archts. est. $160,000. Noted Aug. 9.

N. C., Morganton—Hospital—State Hospital for Insane, 3 additions, one 1 story and two 2½ story, concrete and brick, to McDevitt-Fleming Co., First Natl. Bank Bldg., Chattanooga, Tenn. $225,000. Noted June 1.

N. C., Newton—Court House—Catawba Co., 2 story and basement, 60 x 140 ft., rein.-con. and stone, to J. J. Strand, Southern Pines, $165,516. Noted Aug. 23.

Ky., Lyndon—Home—Kentucky Childrens Home Society, 1086 Baxter St., Louisville, hospital, boiler house and detention wards, brick, here, to Frey Planing Mill Co., 418 East Breckenridge St., Louisville. Archts. est. $150,000. Noted Sept. 20.

Ky., Louisville—Apartment—T. Bohannan, Realty Bldg., 4 story, 66 x 126 ft., incl. gasoline filling station, 3rd and Oak Sts., to Shrader Bros. Building Co., 1003 West Jefferson St. Est. cost $150,000. Noted June 1.

Ky., Louisville — Apartment — F. E. Reeser, 1122 Rowan St., 3 story 100 x 200 ft., 3rd St. and Park Ave., to W. Reeser, 1338 South 3rd St. $150,000. Noted June 1.

O., Ashtabula—High School—Bd. Educ., 2 story, brick, to Willing Bros. Co., Belleview. $206,000.

O., Athens—High and Grade School—Bd. Educ., 2 story, 80 x 127 ft. and 60 x 132 ft., brick and steel, Hollister and Big Greens Run School Dists., to L. O. Heldrick, Columbus.

O., Cleveland—Apartment—Adler Bros., 11[illegible] Temblett Ave., 4 story, 100 x 138 ft., brick and timber, Lake Ave., to B. Winner, [illegible] East 116th St. Archts. est. $200,000. Noted July 12.

O., Cleveland — Commercial and Apartments—A. L. and C. Freeman, 10829 Earle Ave., 4 story, 36 x 132 ft., brick and timber, 11[illegible] Euclid Ave., to J. Kuskin, 4715 Outhwaite Ave. Archts. est. $150,000. Noted Aug. 30.

O., Findlay—High School—Bd. Educ., 2 story and basement, brick and concrete, to Orr & Miller, Lima, $217,900. Noted Sept. 6.

O., Oakwood (Dayton P. O.)—School—Bd. Educ., 2 story and basement, 125 x 300 ft., brick and concrete, to Willing Bros., Bellevue, $300,000. Noted Aug. 30.

Mich., Flint—Nurses Home—Bd. Managers Hurley Hospital, 3 story and basement, rein.-con., brick and steel, plain foundation, Patrick and Prospect Sts., to H. L. Vanderhorst, Flint, $400,000.

Ill., Chicago—Administration—La Salle Extension University, 4045 South Michigan Ave., 3 story, 140 x 150 ft., fireproof, Michigan Ave. and 41st St., to H. Janisch & Co., 1813 Winona Ave. Archts. est. $300,000.

Ill., Oak Park—Store—S. Koenigsberg, 155 North Clark St., Chicago, 4 story, 70 x 95 ft., fireproof, Lake and Marion Sts., here, to D. Stone, 1237 North Hoyne Ave., Chicago. Archts. est. $250,000.

Wis., Milwaukee—Home—St. Johns Home of Old Ladies, 640 Cass St., 3 story and basement, 100 x 103 ft., brick and concrete, plain foundation, to P. Riesens Sons, 1018 Humboldt Ave. $150,000. Noted Aug. 30.

Ia., Council Bluffs — High School — Bd. Educ., 3 story and basement, rein.-con., brick and stone, to J. Hansen, 803 Ave. F, $180,403. Noted Apr. 5.

N. D., Fargo—Store—Herbst Dept. Store, 16 Bway., 4 story and basement, 36 x 100 ft. rein.-con., brick and tile, general contract to Meinecke & Johnson, 11 Bway. Total cost $225,000. Noted Mar. 22.

Mo., Kirksville—Hotel—Kirksville Hotel Co., 4 story and basement, rein.-con., brick and stone, to C. L. McKim, Kirksville, $130,730.

Tex., Houston—Hospital—City and Harris Co. 4 story and basement, brick, stone and concrete, plain foundation, to Russell Brown Co., Carter Bldg., Houston, $182,000. Noted Sept. 13.

Calif., Hollywood—Church—First Presbyterian Church, 1760 North Gower St., brick and concrete, to Simpson Constr. Co., Bank of Italy Bldg., Los Angeles, $200,000. Noted Aug. 23.

Calif., Los Angeles—Office—Sun Realty Co., 12 story and basement, 86 x 160 ft., rein.-con., 9th and Olive Sts., to Macdonald & Kahn, Loew State Bldg., Los Angeles. $850,000.

Calif., Los Angeles—Office and Loft—F. W. Johnson, 14 story, 90 x 110 ft., rein.-con., 7th and Los Angeles Sts., to Edwards, Wildey & Dixon Co., Black Bldg., $450,000. Noted July 26.

Calif., Los Angeles—Store and Loft—Martz Estate, c/o J. and D. Parkinson, archts., Title Insurance Bldg., 4 story and basement, rein.-con., brick and steel, 7th St., to Edwards, Wildey & Dixon, Black Bldg., $150,000.

Calif., Oakland—Office—C. W. McCall, archt., Central Bldg., 7 story and basement, rein.-con., physicians office building, 17th St. between Bway. and Franklin St., to C. W. Heyer, Jr., Mills Bldg., San Francisco, $350,000. Owner's name withheld.

Calif., Oakland—Store—C. J. Heeseman, Washington and 15th Sts., 4 story, rein.-con., Clay and 13th Sts., to E. T. Leiter & Son, 3601 West St., $150,000. Noted Sept. 27.

Calif., San Diego—Army and Navy Y. M. C. A., concrete and steel, on full block fronting Bway., to Campbell Building Co., Security Bank Bldg., $550,000. Noted Sept. 20.

Calif., San Francisco—Office—See "Industrial Works."

Calif., Santa Monica—Hotel—Miramar Hotel Co., 4 story, 80 x 286 ft., rein.-con. and brick, to Butleben Bros., 609 I. W. Hellman Bldg., Los Angeles, $325,000.

Calif., Stockton—Church—First Christian Church, masonry church, to H. W. Johnson, 121 Lexington Ave., Los Angeles, $150,000.

Federal Government Work

PROPOSED WORK

N. Y., Waterloo — Post Office — Treas. Dept., Wash., D. C., rejected bids for U. S. Post Office, here. Noted Sept. 13.

Pa., Phila.—Fill—Spec. 4919—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans filling back channel at Naval Hospital, here.

Md., Annapolis—Shore Protection—Spec. 4917—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans shore protection at Tower 5, here.

D. C., Anacostia—Workroom, etc.—Spec. 4915—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans workroom and laundry, here.

D. C., Wash.—Court House—U. S. Government, c/o D. Lynn, supt. in charge of U. S. Capitol, is having sketches made by F. G. Pierson, Washington Loan & Trust Bldg., for new 3 story, stone, District Court House, on site of present Court House, Missouri Ave., N. W. $400,000.

D. C., Wash.—Mooring Masts—Spec. 4916—Bureau Yards & Docks, Navy Dept., plans mooring masts at Quantanamo, Cuba, Fort Worth, Tex., and San Diego, Calif.

Va., Quantico—Remodeling—Spec. 4912—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans remodeling officers quarters at Marine Corps Base, here.

N. C., Cape Hatteras—Operating Building, etc.—Spec. 4914—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans operating building and improvements, here.

Ky., Louisville—Lumber—U. S. Engineer, P. O. Box 72, plans to purchase 500 pieces 12 ft., 500 pieces 16 ft., 1,200 pieces 20 ft. and 400 pieces 22 ft. (all 2 x 12 in.) No. 1 common yellow pine f.o.b. Addison.

Ill., Great Lakes—Rebuilding Laundry—Spec. 4918—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans rebuilding laundry, here.

Utah, Fort Douglas — Buildings — Constructing Quartermaster, Ft. Mason, San Francisco, Calif., plans group of 15 brick and tile buildings at training camp, here.

H. T., Pearl Harbor—Storehouse—Spec. 4911—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans paint and oil storehouse, here.

Alaska, Anchorage—Military Post—Constructing Quartermaster, Ft. Mason, San Francisco, Calif., soon receives bids for military posts, here, incl. 13 officers quarters, 1 administration building, 1 guard house, 2 barracks, 1 recreation hall, 1 hospital, power houses, stables, water, lighting, sewerage and road systems, etc.

BIDS DESIRED

R. I., Providence—Dredging—Oct. 17 at office U. S. Engineer, dredging 373,000 cu.yd. in harbor, here.

N. Y., Castle Point (Chelsea P. O.)—Resurfacing—Oct. 15 by Treas. Dept., Wash., D. C., resurfacing farm road on site of U. S. Veterans' Hospital, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Oct. 4.

N. Y., New Rochelle—Dredging—Oct. 29 at office U. S. Engineer, Army Bldg., 39 Whitehall Bldg., New York, dredging in harbor, here; adv. E. N.-R. Oct. 4.

N. Y., Staten Island—Jetty—Oct. 16 at office Constructing Quartermaster, 39, Whitehall St., New York, stone jetty, Miller Field, here; adv. E. N.-R., Oct. 4.

Md., Annapolis—Water Supply Improvements—Spec. 4890—Oct. 17 by Bureau Yards & Docks, Navy Dept., Wash., D. C., improvements to water supply at high power radio station, here. Noted Aug. 9.

D. C., Bellevue—Barracks, etc.—Spec. 4889—Oct. 10 by Bureau Yards & Docks, Navy Dept., Wash., barracks, garage and generating buildings at Naval experimental and research laboratory, here. Noted July 26.

S. C., Clinton—Post Office—Oct. 26 by Treas. Dept., Wash., D. C., for 1 story, 62 x 64 ft., brick and tile post office, here. J. A. Wetmore, acting superv. archt.

Fla., Pensacola—Distribution System, etc. Spec. 4715—Oct. 17 by Bureau Yards & Docks, Navy Dept., Wash., D. C., steam distributing and heating systems, at Naval Air Station, here. Noted Aug. 30.

Ky., Louisville—Derricks—Oct. 22 at office U. S. Engineer, P. O. Box 72, 6 steel derricks complete (except wire rope) 65 ft. booms bull wheel diam. 16 ft.; adv. E. N.-R. Oct. 4. Noted Sept. 13.

Ill., Cairo—Cradles—Oct. 13, Mississippi-Warrior Service, Inland and Coastwise Waterways Service, War Dept., 320 Custom House, New Orleans, La., two cradles on river front, here.

Mo., St. Louis—Extension—Oct. 18 by Treas. Dept., Wash., D. C., extension to Post Office, here. J. A. Wetmore, acting superv. archt.

Arkansas—Road—Oct. 16 by District Engineer, U. S. Bureau Pub. Rds., Dept. Agriculture, Federal Bldg., Little Rock, constructing Foran Gap, Forest Highway, in Arkansas National Forest, Polk and Scott Counties, 11.02 mi. finishing graded road, 3,931 cu.yd. rock and 68,616 cu.yd. earth excav., etc.

Federal Government Work (Continued)

Tex., Fort Clark—Radio Tower—Oct. 20 by Signal Officer, Fort Clark, 4 concrete foundation piers and steel radio tower.

Tex., Freeport—Repairing Jetty—Oct. 31 at office U. S. Engineer, Galveston, repairing southwest jetty, in Harbor, here; adv. E. N.-R. Oct. 4.

BIDS RECEIVED

Pa., Phila.—Repairs to Roof—Treas. Dept., Wash., D. C., repairs to roof, etc., U. S. Post Office and Court House, here, from Ennis & Hare, 1933 East 31st St., Baltimore, Md., $61,400. Noted Sept. 20.

D. C., Wash.—Steel—Purchasing Agent, Post Office Dept., Wash., D. C., furnishing 100,000 lb. cold rolled steel, from Trumbull Steel Co., Warren, O., $5,910.

La., New Orleans—Cement—U. S. Engineer, furnishing 5,000 bbl. cement, from J. W. Kearny & Sons, 514 South Peters St., $15,100.

O., Cincinnati—Piling—U. S. Engineer, furnishing sixty 30 ft., taper piles, sixty 35 ft. and one hundred forty-six 40 ft. steel sheet piles for Dams 34, 36 and 38, from Bethlehem Steel Co., Cincinnati, $2.94 cwt. (from local stock); Carnegie Steel Co., 1016 Union Trust Bldg., $2.94 cwt. (3-4 months delivery).

Mich., Saute Ste. Marie—Dredging—U. S. Engineer, 337 Federal Bldg., Detroit, dredging 110,000 cu.yd. scow measurement on Bayfield Range and Little Rapids Cut, here, from Duluth-Superior Dredging Co., 1715 Ford Bldg., Detroit, $1.10. Noted Sept. 20.

Wis., Milwaukee—Breakwater—U. S. Engineer, constructing extension to north breakwater in harbor, here, from E. E. Gillen Co., 288 East Water St., $353,813. Noted Aug. 30.

Kan., Ft. Riley—Road Repair—Constructing Quartermaster, 60,000 sq.yd. bituminous roadway, from Kaw Paving Co., 506 N. E. Bldg., Topeka, $68,060. Noted Sept. 6.

CONTRACTS AWARDED

Mass., Chelsea—Reroofing—Spec. 4886—Bureau Yards & Docks, Navy Dept., Wash., D. C., reroofing buildings at Naval Hospital, here, to Johns-Mansville, Inc., 55 High St., Boston, Mass., $36,042 (120 days). Noted Sept. 13.

Va., Norfolk—Changes—Treas. Dept., Wash., D. C., changes at U. S. Marine Hospital 82, here, to P. H. Kea Constr. Co., 310 Dinwiddie St., Portsmouth, $4,916. (90 days).

S. C., Paris Island—Lumber—Port Quartermaster, Marine Barracks, 100,000 ft. lumber, various sizes, to Montgomery & Co., 10 South 15th St., Richmond, Va. Engrs. est. $5,300.

Fla., Jacksonville—Catamarans—U. S. Engineer, 25 pontoon catamarans for Dredge Barnard, to Novelty Steam Boiler Wks., 917 South Howard St., Baltimore, Md., $24,350.

Ala., Florence—Power Development—War Dept., Wash., D. C., for Gorgas plant at Army Muscles Shoals project, to Alabama Power Co., Brown-Marx Bldg., Birmingham, $3,472,487.

Ill., Rock Island—Lumber—U. S. Engineer, Rock Island, furnishing 237,000 ft. Douglas fir for use at Le Claire Canal Lock, etc., to G. T. Mickle Lumber Co., 30 North La Salle St., Chicago, $5037. Noted Sept. 20.

Calif., Oakland—Dredging—U. S. Engineer, Custom House, San Francisco, dredging Areas A, 475,000 cu.yd., B, 150,000 cu. yd. and C, 150,000 cu.yd. in Harbor, here, to Amer. Dredging Co., 255 California St., San Francisco, $184,556. Noted Sept. 20.

Miscellaneous

PROPOSED WORK

Transformer, etc.—North Tonawanda, N. Y.—See "Industrial Works."

Power Development—South Amsterdam (Amsterdam, P. O.), N. Y.—Adirondack Power & Light Co., Amsterdam, having plans prepared for doubling present building on Mohawk River, and installing 40,000 hp. steam turbine generator unit, here. $3,000,000. Private plans.

Conveyor System—Wilson, Pa.—Carnegie Steel Co., Carnegie Bldg., Pittsburgh, plans barge loading conveyor system, here. $35,000.

Dock—Creighton, Pa.—Crucible Fuel Co., Oliver Bldg., Pittsburgh, plans new pile and timber dock here on Allegheny River, to exceed $25,000.

Mine—Waynesville, N. C.—Rhodolite Corp., New York City, plans constructing roads and installing mining machinery for rhodolite mine, annual output of 600,000 ton, near here. $600,000. S. A. Jones, Waynesville, interested.

Summer Resort—Winston-Salem, N. C.—D. D. Smith having plans prepared by E. S. Draper, landscape archt., 11 East 5th St., Charlotte, hotel, golf links, roads and driveways, 200 acre lake with 30 ft. dam, water supply, etc., at Hanging Rock, near here.

Wharves and Public Parks—Baton Rouge, La.—Voted $350,000 bonds for wharves and $75,000 for parks. J. W. Billingsley, Interstate Bank Bldg., New Orleans, consult. engr.

Underpass—Kentucky—Louisville & Nashville R.R. Co., 10th St. and Bway., Louisville, plans concrete underpass on Muldraughs Hill, 36 mi. from Louisville, also widening road bed and second tracking for several miles, in that vicinity. $700,000. W. H. Courtney, ch. engr.

Asphalt Plant—Segal, Ky.—Natural Rock Asphalt Corp., Greenville, Ky., plans new asphalt plant at site of quarries in Edmondson Co., near here. $60,000.

Lighting System and Park Improvements—Columbus, O.—See "Streets and Roads."

Dock—Mingo Junction, O.—Carnegie Steel Co., Carnegie Bldg., Pittsburgh, Pa., plans coke unloading dock, stationary crane on concrete caisson foundation, mooring piles, etc., here. $50,000.

Gravel Plant—Janesville, Wis.—Wilcox Co., 859 South Main St., contemplates new gravel plant and will purchase washing plant, crusher, loading equipment, etc.

Truck, etc., Kenosha, Wis.—City, c/o B. W. Bolerjack, purch. agt., plans to purchase 3 or 4 ton truck for Garbage Dept., also street sweeper.

Golf Links—Madison, Wis.—City plans 18 hole golf course at Forest Hill. Architect not selected. $30,000.

Transmission Line—Wauzeka, Wis.—See "Industrial Works."

Transmission Line, etc.—Herndon, Kan.—Voted $30,000 bonds for transmission lines and distribution system. W. B. Rollins & Co., 521 Railway Exch. Bldg., Kansas City, Mo., engrs. Noted Aug. 30.

Levee—Pine Bluff, Ark.—See "Excavation, Drainage, Irrigation."

Golf Course—Dallas, Tex.—Dallas Oak Golf Club, c/o I. J. Willingham, 4907 Columbia St., having plans prepared new golf course. $25,000. J. McKenzie, Lakewood Country Club, engr.

White Way—Greenville, Tex.—Making plans whiteway in business section. $25,000. L. Mitchell, 118 South Briton St., Dallas, engr.

Grade Crossing Elimination—Waco, Tex.—McLennan Co. making plans grade crossing elimination on Highway 2 near Bruceville. $25,000. M. Hannah, co. engr.

Park Improvements, Swimming Pool, etc.—Monrovia, Calif.—Oct. 23 to vote on $80,000 bonds for recreation park and swimming pool, and $16,000 bonds for city's share of cost of bridge across Santa Anita River between here and Arcadia. L. P. Black, clk. Noted July 12.

Lighting System—Newport Beach, Calif.—Plans street lighting system in Peninsula Dist. To exceed $25,000. P. E. Kressly, H. W. Hellman Bldg., Los Angeles, engrs.

BIDS DESIRED

Greenhouses, etc.—New York, N. Y.—Oct. 11, by Park Bd., Municipal Bldg., range of greenhouse and workhouse in Van Cortlandt Park Nurseries, Bronx Boro. F. D. Gallatin, pres.

Sand, Cement, etc.—New York, N. Y.—Oct. 9, by Bd. of Purchase, Municipal Bldg., furnishing and delivering sand, cement and broken stone to Dept. Plants and Structures.

Tunnel—Phila., Pa.—Oct. 17, by Comn. Fairmount Park, City Hall, 1,200 ft. rein.-con. tunnel, 14.5 ft. high, 30 ft. wide, between 23rd St. and Spring Garden Bridge, Zantzinger, Borie & Trumbauer, Otis Bldg., associated archts.

Protection Work—Shreveport, La.—Oct. 23, protection work on Red River. C. E. Smith & Co., 2073 Ry. Exch. Bldg., St. Louis, Mo., consult. engr.; adv. E.N.-R., Oct. 4.

Steam Heating Plant—Watertown, Wis.—A. Kuenzi, engr., Watertown, taking bids steam heating plant, piping, radiators and boilers for E. Miller. $25,000.

Levee—Ennis, Tex.—Oct. 17, (extended date) by E. Raphael, chn. Bd., Ellis Co. Levee Impvt. Dist. 2, 5,000 ft. levee, 18 ft. high, 2.1 slope, 3 ft. crown, 150,000 yd. earth in fill, 25 acres clearing, 12.5 acres grubbing, etc. C. T. Forest, Waxahachie, dist. engt. Noted Sept. 13.

Grain Elevator—Port Arthur, Tex.—Kansas City Southern R.R., 11th and Wyandotte Sts., Kansas City, Mo., taking bids concrete grain elevator, 600,000-700,000 bu., here. $25,000. C. E. Johnson, c/o owner, engr.

Crane—Tacoma, Wash.—Port of Tacoma, Natl. Bank of Tacoma Bldg., in market for 90 ft. electric crane with track and necessary operating equipment. $50,000. Address G. M. Osgood, ch. engr.

Portland Cement—Portland, Ore.—Oct. 23 by Comrs. Multnomah Co., Court House, furnishing 270,000 bbl. portland cement for construction of Burnside and Ross Island Bridges. C. Rudeen, chn. Hedrick & Kremers, 250½ 3rd St., engrs.

Lighting System—Chino, Calif.—Oct. 16 for ornamental street lighting system, 89 granite concrete standards, 9,528 lin.ft ¾ in. iron conduit with No. 6 lead covered cable. P. E. Kressly, H. W. Hellman Bldg., Los Angeles, engr.

Tractor—Fairfield, Calif.—Solano Co. receiving bids Fordson tractor for use at county hospital site. G. G. Halliday, clk.

Paving Plant—Vallejo, Calif.—City taking bids asphalt paving plant. $15,000. T. D. Kilkenny, city engr. Noted July 12.

BIDS RECEIVED

Railroad Duct Line—New York, N. Y.—G. McAneny, chn. Transit Comn., 49 Lafayette St., railroad duct line at 239th St. yard, White Plains Rd. Rapid Transit R.R., Route 18, Agreement "CS," from F. Hanratty, 605 2Beach Terrace St., $9,663. Noted Sept. 20.

Sea Wall—New York, N. Y.—B. S. Coler, comr. Dept. Pub. Welfare, Municipal Bldg., sea wall on east shore Welfare Island, from A. M. Hazell, Inc., 26 Cortlandt St., $17,945. Noted Sept. 27.

Culvert—St. Louis, Mo.—Bd. Pub. Serv., 208 City Hall, rein.-con. culvert to carry Delmar Blvd. over River Des Peres, from H. A. Henske, Arcade Bldg., 32,330 cu.yd. Class A excav. $0.85, 72,560 cu.yd. Class B excav. $0.40, 8,485 cu.yd. Class C excav. $1, 64,030 cu.yd. Class A concrete $0.55, 52,470 cu.yd. Class B concrete $0.45, etc., total $150,766. Noted Aug. 30.

CONTRACT AWARDED

Foundation—Ware, Mass.—Bishop of Diocese, Cathedral, Springfield, foundation for 1 story, 63 x 144 ft. church, 83 x 100 ft. transept, brick and cast stone, Pleasant St., here, to H. P. Cummins Constr. Co., Ware. Total cost $200,000. Contract for superstructure will be let later.

Asphaltic Cement, etc.—New York, N. Y.—H. Bruckner, pres. Bronx Boro. 3rd and Tremont Aves., 400 tons asphaltic cement, to Standard Oil Co., 26 Bway., $7,700; 1,000 cu.yd. broken trap rock, to Ames Building Material Co., 3437 Kingsbridge Rd., $8,463. Noted Sept. 27.

Steel—Rochester, N. Y.—Knights of Columbus, 700 Main St., E., 1,500 tons steel for 12 story office and clubhouse, Lawn and Chestnut Sts., to Genesee Bridge Co., 666 Plymouth Ave., $204,000.

Tunnel—Madison, Wis.—University of Wisconsin, concrete steam tunnels from central heating plant to new State Hospital, to G. Nelson, 1117 West Johnson St. Noted Aug. 23.

Materials—St. Paul, Minn.—H. W. Austin, city purch. agt., furnishing and delivering structural reinforcing for repairing Wabasha St. Bridge over Mississippi River, to St. Paul Fdry. Co., Como Ave. and Mackubin St., $4,587; 1,320 sq.yd. 3½ in. creosoted wood block for repairing same, to Minnesota Equipment Co., 4536 Dupont Ave. S., Minneapolis, $2.70 per sq.yd.; eight hundred and eighty 12 ft. lengths 6 in. Class B c.i. pipe, to Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., $60.16 per ton; three hundred and thirty 12 ft. lengths 16 in. Class B c.i. pipe, to Glamorgan Pipe Fdry. Co., The Rookery, Chicago, $58.10 per ton. Noted Sept. 27.

Stadium—Pittsburg, Kan.—State Teachers College, general contract rein.-con. stadium, to G. E. Dalton, Constr. Co., Junction City, $43,775.

Underpass—Bells, Tex.—Grayson Co. (Sherman) underpass on county highway here, to F. B. Brooks, Sherman, $27,000.

Gas System—Fairfax, Okla.—J. N. Fly, city clk., gas distribution system, regulator station, meters, incl. 37,500 ft. 2-6 in. iron pipe, etc., to L. A. Gallecier, Enid, $36,837. Engrs. est. $36,000. Noted Sept. 20.